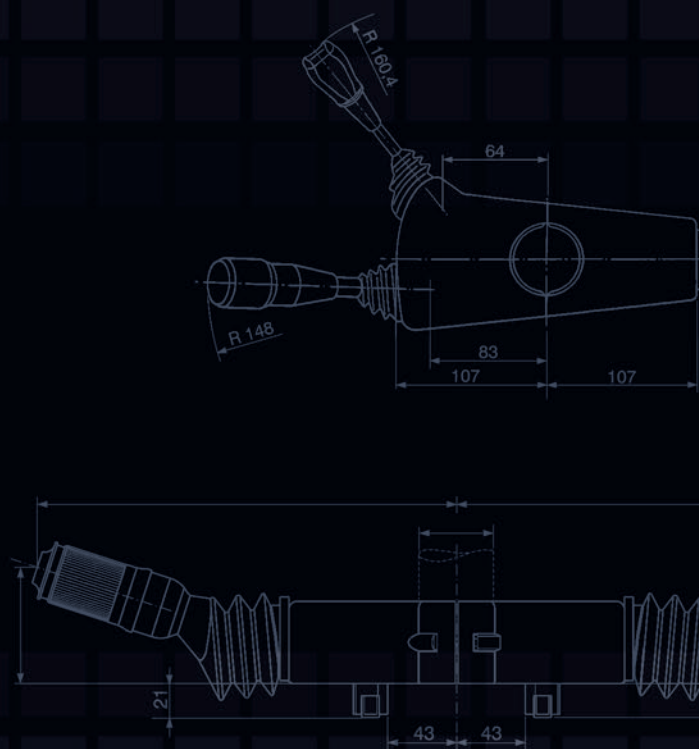


01

**DEVIOGUIDA
INVERSORI
COMANDI
TERGICRISTALLO
RETARDER
CRUISE CONTROL**

*LIGHT SWITCHES
SHIFTERS
WINDSHIELD WIPER
SWITCHES
RETARDER
CRUISE CONTROL*





DEVIAGUIDA INVERSORI COMANDO TERGICRISTALLO

LIGHT SWITCHES SHIFTERS WINDSHIELD WIPER SWITCHES

ITALIANO



SERIE "106 - 109" pag. 217 - 218

Serie di devioGUIDA utilizzate principalmente su autocarri di gamma media.



SERIE "246" pag. 219 - 222

Serie di devioGUIDA utilizzate principalmente su autocarri di gamma medio-pesante.



SERIE "134" pag. 63

DevioGUIDA dotati di contenitore di protezione realizzato in poliammide. Dotati di staffa interna metallica e piolo di bloccaggio per facilitare il fissaggio a diversi diametri del piantone guida. La leva metallica di comando, disponibile con pomello di due diversi styling, può essere realizzata con diverse lunghezze e inclinazioni per adattarsi alle specifiche esigenze del cliente. Alcune versioni sono dotate di interruttore supplementare, posto nella parte inferiore dell'apparecchio, per l'accensione luci esterne.

Funzioni devioGUIDA: indicatore di direzione, lampo luci, abbagliante, anabbagliante e avvisatore acustico + interruttore per accensione luci esterne (solo alcune versioni). Devono essere abbinati ad un interruttore per l'accensione luci esterne.

Durata elettromeccanica: **devioGUIDA n° 50.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "180" pag. 59 - 62

DevioGUIDA o inversori semplici, robusti, dotati di contenitore realizzato in lega di alluminio verniciata nera autoportante per facilitare il fissaggio su piantone guida. Disponibili contenitori di protezione adatti a diversi diametri del piantone. La leva metallica del comando può essere realizzata con diverse lunghezze e inclinazioni per adattarsi alle specifiche esigenze del cliente.

Funzioni devioGUIDA: indicatore di direzione, lampo luci, abbagliante, anabbagliante e avvisatore acustico. Devono essere abbinati ad un interruttore per l'accensione luci esterne.

Funzioni inversore: marcia avanti-indietro-lenta-veloce.

Durata elettromeccanica: **devioGUIDA n° 50.000 cicli, inversore n° 100.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "170" pag. 27 - 29

DevioGUIDA o inversori di dimensioni molto compatte per ridurre al minimo gli ingombri. Progettati per essere applicati direttamente sul cruscotto utilizzando il contenitore che protegge i contatti elettrici da polvere e umidità.

Particolarmente adatti per l'impiego su piccole macchine agricole/movimento terra permettono di concentrare in poco spazio i comandi essenziali del veicolo.

Funzioni devioGUIDA: indicatore di direzione, lampo luci, abbagliante, anabbagliante e avvisatore acustico. Devono essere abbinati ad un interruttore per l'accensione luci esterne.

Funzioni inversore: marcia avanti-indietro-lenta-veloce.

Durata elettromeccanica: **devioGUIDA n° 50.000 cicli, Inversore n° 100.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione o, per la versione O1.199.000, utilizzando un connettore COBO specifico.



SERIE "190" pag. 30 - 47 - 53 - 58 - 71 - 75 - 77 - 79 - 82 - 84 - 85 - 87 - 90

Devioguida, inversori o comandi tergicristallo molto compatti per ridurre al minimo gli ingombri. Progettati per essere applicati direttamente sul cruscotto o, le versioni con staffa, anche su piantone guida.

I devioguida sono dotati di pomello rotativo per l'accensione luci esterne. Completano la serie "comandi tergicristallo" con medesimo styling e caratteristiche di fissaggio. Sono forniti di contenitore che protegge i contatti elettrici da polvere e umidità e facilita il montaggio.

L'utilizzo di questi dispositivi permette di razionalizzare la disposizione dei comandi del veicolo e, abbinando le numerose versioni disponibili, si possono soddisfare tutte le esigenze.

Funzioni devioguida: indicatore di direzione, lampo luci, abbagliante, anabbagliante, avvisatore acustico e accensione luci (pomello rotativo).

Funzioni inversore: marcia avanti-indietro-lenta-veloce.

Funzioni tergicristallo: 1a-2a velocità pompa lava-vetro.

Durata elettromeccanica: **devioguida n° 50.000 cicli, inversori n° 100.000 cicli, tergicristallo n° 50.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "203" pag. 50 - 65 - 73

Inversori con contatti elettrici "frontali in aria" adatti al comando diretto di elettrovalvole fino a 2,5A con diodo di soppressione arco.

Robusti meccanicamente mantengono, comunque, ingombri ridotti e sono prodotti in versione per montaggio sul cruscotto o al piantone sterzo.

Funzioni inversore: marcia avanti-indietro-lenta-veloce ed eventuale blocco meccanico per impedire l'azionamento accidentale del dispositivo.

Testati per numero manovre funzionali: **inversori 750.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "281" pag. 69

Devioguida + inversori dotati di contenitore di protezione realizzato in poliammide. Dotati di staffa interna metallica e piolo di bloccaggio per facilitare il fissaggio a piantoni guida di diverso diametro. Le leve metalliche di comando possono essere realizzate con diverse lunghezze e inclinazioni per adattarsi alle specifiche esigenze del cliente. Alcune versioni sono dotate di interruttore supplementare, posto nella parte inferiore dell'apparecchio, per l'accensione luci esterne.

Funzioni devioguida: indicatore di direzione, lampo luci, abbagliante, anabbagliante e avvisatore acustico+ interruttore per accensione. Devono essere abbinati ad un interruttore per l'accensione luci esterne (solo alcune versioni).

Funzioni inversore: marcia avanti-neutro-indietro-lenta-veloce.

Durata elettromeccanica: **devioguida n° 50.000 cicli, inversore n° 750.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "250" pag. 105

Gruppo integrato devioguida + inversore con contenitore specifico per montaggio su piantone sterzo con diametro 52 mm. L'apparecchio, composto da un devioguida della serie "170" e da un inversore inseriti in un solo contenitore e già cablati, raggruppa ed ottimizza i comandi delle funzioni necessarie a macchine semoventi.

Funzioni devioguida: indicatore di direzione, lampo luci, abbagliante, anabbagliante e avvisatore acustico. Devono essere abbinati ad un interruttore per l'accensione luci esterne.

Funzioni inversore: marcia avanti-indietro.

Durata elettromeccanica: **devioguida n° 50.000 cicli, inversore n° 750.000 cicli.**



SERIE "240" pag. 99 - 118 - 124 - 127 - 135 - 139 - 143 - 150 - 152 - 154 - 161 - 163

Gamma molto varia di dispositivi particolarmente robusti adatti all'utilizzo come: devioguida, inversore, comando tergicristalli e variatore di velocità. Progettati per soddisfare ogni esigenza di fissaggio, direttamente su cruscotto, su piantone guida, montaggio verticale o orizzontale. Disponibili con diverse tecnologie di contatti elettrici:

Contatti frontali in aria: per comando diretto di dispositivi con carichi fino a 8-10A

Microswitch: per utilizzatori con carichi fino a 1A.

Per interfaccia con centraline elettroniche disponibili versioni con contatti dorati per evitare problemi di ossidazione.

Funzioni devioguida: indicatore di direzione, lampo luci, abbagliante, anabbagliante, avvisatore acustico e accensione luci (pomello rotativo).

Funzioni inversore/variante di velocità: marcia avanti-indietro-lenta-veloce- 1a-2a-3a-4a.

Funzioni tergicristallo: 1a-2a velocità pompa lava-vetro.

Durata elettromeccanica: **devioguida n° 100.000 cicli, inversori/variatori di velocità n° 1.000.000 cicli, tergicristallo n° 50.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "226" pag. 111

Variatore di velocità con contatti elettrici a microswitch per comando centraline elettroniche con carichi fino a 20mA.

L'apparecchio può essere usato singolarmente o abbinato ad altri comandi in un unico contenitore.

Funzioni variatore di velocità: 0 -1a-2a-3a-4a.

Durata elettromeccanica: **variante di velocità n° 1.000.000 cicli.**



SERIE "2000" pag. 165 - 172 - 178

Gamma di devioguida e inversori/ variatori di velocità progettata per impieghi particolarmente gravosi per macchine operanti in condizioni ambientali critiche. Le leve di comando resistono a trazioni superiori a 90Kg (160 lbs.). Il contenitore di protezione, realizzato in poliammide ad alta resistenza, per garantire una tenuta IP67 della connessione elettrica, è dotato, nella parte inferiore, di un connettore integrato per connettori "DEUTSCH (serie DT)". I contatti elettrici dell'inversore sono del tipo "in aria a contatto frontale" e permettono di comandare direttamente solenoidi fino a 2,5A con diodo di soppressione arco. Disponibili versioni con la funzione variatore di velocità ottenuta ruotando il pomello posto sulla leva principale del comando.

Funzioni devioguida: indicatore di direzione, lampo luci, abbagliante, anabbagliante, avvisatore acustico e accensione luci (pomello rotativo).

Funzioni inversore/variatore di velocità: marcia avanti-indietro-lenta-veloce.

Funzioni tergicristallo: 1a-2a velocità pompa lava-vetro.

Durata elettromeccanica: **devioguida n° 100.000 cicli, inversori/variatori di velocità n° 1.000.000 cicli, tergicristallo n° 50.000 cicli.**



SERIE "316" pag. 112

Inversori con contatti elettrici a microswitch per fissaggio su piantone guida. Meccanicamente molto robusti. Le leve resistono a trazioni fino a 40Kg.. Particolarmente adatti per pilotare centraline elettroniche. La maggior parte delle versioni deve essere montata all'interno di protezioni che proteggano il dispositivo da acqua e polvere. Alcune versioni sono già dotate di propria protezione contro gli agenti atmosferici.

Funzioni inversore: marcia avanti-neutro-indietro e blocco meccanico contro l'azionamento accidentale.

Durata elettromeccanica: **inversori n° 1.000.000 cicli.**

Cablaggio di collegamento disponibile con diversi tipi di connessione.



SERIE "622" - "866" - "776" - "962" - "987" pag. 106 - 107 - 108 - 109 - 110

Gamma di inversori e/o variatori di velocità con tecnologia "HALL EFFECT" e "REED" progettati per pilotare centraline elettroniche con carichi inferiori a 100mA. La tecnologia utilizzata, senza alcun contatto di tipo meccanico, consente di garantire una vita media del dispositivo superiore ai **3.000.000 di cicli.**

Le funzioni base, marcia avanti/indietro, variatore velocità, freno di parcheggio possono essere personalizzate secondo le specifiche esigenze.

L'apparecchio può essere utilizzato singolarmente oppure integrato con altri comandi in un unico contenitore.

ENGLISH



"106 - 109" SERIES pag. 217 - 218

Switches series used on medium trucks.



"246" SERIES pag. 219 - 222

Switches series used on medium-heavy trucks.



"134" SERIES pag. 63

Switches provided with polyamide protection container, an interior metal bracket and locking peg to make the fixing on central steering columns of different diameters easier. The metallic lever, available with knob of two different types of styling, can be made with different lengths and inclinations to meet customer needs. Some versions are provided with an additional switch, placed in the lower part of the instrument.

Switches functions: direction indicators, flashing, low and high beam and horn plus switch for exterior lights ignition (only some versions). They must be coupled with an exterior breaker for the external lights ignition.

Electromechanical life: **switches n° 50.000 cycles.**

Connection wiring harness available with different types of connectors.



"180" SERIES pag. 59 - 62

Easy switches or shifters, rugged, provided with black aluminium alloy to make the fixing on the central steering column easier. Protection containers are suitable for steering columns of different diameters. The metallic lever can be made with different lengths and inclinations to meet customer needs.

Switches functions: direction indicators, flashing, low and high beam and horn. They must be coupled with an exterior breaker for the exterior lights ignition.

Shifters functions: forward-reverse-slow-fast motion.

Electromechanical life: **switches n° 50.000 cycles, shifters n° 100.000 cycles.**

Connection wiring harness available with different types of connectors.



"170" SERIES pag. 27 - 29

Compact switches or shifters to reduce overall dimensions. Designed for application on the dashboard, using the container as a protection for the electrical contacts from dust and dampness. Particularly suitable for agricultural and earthwork vehicles, they allow to concentrate the most important controls of vehicle in a little space.

Switches functions: direction indicators, flashing, low and high beam and horn. They must be coupled with an exterior breaker for the exterior lights ignition.

Shifters functions: forward-reverse-slow-fast motion.

Electromechanical life: **switches n° 50.000 cycles, shifters n° 100.000 cycles.**

Connection wiring harness available with different types of joint or, for 01.199.000 version, using a specific Cobo connector.



"190" SERIES pag. 30 - 47 - 53 - 58 - 71 - 75 - 77 - 79 - 82 - 84 - 85 - 87 - 90

Compact switches, shifters or windshield wiper controls to reduce overall dimensions. Designed for applications on the dashboard or, for the versions with bracket, also on the steering column.

Switches are provided with a revolving knob for the external lights ignition. They complete the "windscreen wiper control" series with the same styling and locking properties. They are provided with a container used as a protection for the electrical contacts from dust and dampness, which make the assembling easier.

Using these devices, it is possible to rationalize the vehicle controls disposition to meet customer needs.

Switches functions: direction indicators, flashing, low and high beam, horn and lights ignition (revolving knob).

Shifters functions: forward-reverse-slow-fast motion.

Windshield wiper functions: 2 speed washer pump.

Electromechanical life: **switches n° 50.000 cycles, shifters n° 100.000 cycles, windshield wiper n° 50.000 cycles.**

Connection wiring harness available with different types of joint.



"203" SERIES pag. 50 - 65 - 73

Shifters with electrical "butt" contacts suitable for the direct control of electro-valves until 2,5A with arc suppression diode.

Even though rugged, they are compact to reduce overall dimensions and designed for application on the dashboard and on the steering column.

Shifters functions: forward-reverse-slow-fast motion and possible mechanic clamping to prevent the accidental starting of the device.

Electromechanical life: **shifters n° 750.000 cycles.**

Connection wiring harness available with different types of connectors.



"281" SERIES pag. 69

Switches and shifters provided with polyamide protection container and an interior metal bracket and locking peg to make the fixing on central steering columns of different diameters easier. The metallic control lever can be made with different lengths and inclinations to meet customer needs. Some versions are provided with an additional switch, placed in the lower part of the instrument, for the exterior lights ignition.

Switches functions: direction indicators, flashing, low and high beam and horn plus switch for exterior lights ignition. They must be coupled with a switch for the external lights ignition (only some versions).

Shifters functions: forward-neutral-reverse-slow-fast motion.

Electromechanical life: **switches n° 50.000 cycles, shifters n° 750.000 cycles.**

Connection wiring harness available with different types of joint.



"250" SERIES pag. 105

Switches and shifter unit with specific container for the assembling on steering columns with 52 mm diameter.

The instrument, made up of a switch "170" series and a shifter wired and placed in the same container, optimizes the function controls necessary for self-propelled vehicles.

Switches functions: direction indicators, flashing, low and high beam and horn. They must be coupled with a switch for the external lights ignition.

Shifters functions: forward-neutral motion.

Electromechanical life: **switches n° 50.000 cycles, shifters n° 750.000 cycles.**



"240" SERIES pag. 99 - 118 - 124 - 127 - 135 - 139 - 143 - 150 - 152 - 154 - 161 - 163

A broad range of rugged devices suitable for different functions: switches, shifters, windshield wipers and speed control. They are designed to satisfy every locking need, directly on the dashboard, on the steering column, horizontal or vertical fixing. They are available with different kinds of electrical contacts:

- Butt contacts: for direct control of devices with loads until 8-10A;
- Microswitch: for loads until 1A;

Some versions with gold-plated contacts are available to interface electronic pc boards, so to avoid oxidation problems.

Switches functions: direction indicators, flashing, low and high beam, horn and lights ignition (revolving knob).

Shifters functions/Speed control: forward-reverse-slow-fast motion, 1a- 2a- 3a- 4a.

Windshield wiper functions: 2 speed washer pump.

Electromechanical life: **switches n° 1.000.000 cycles, shifters/speed control n° 1.000.000 cycles, windshield wiper n° 50.000 cycles.**

Connection wiring harness available with different types of connectors.



"226" SERIES pag. 111

Speed control with microswitch electrical contacts for electronic pc boards with loads until 20mA.

The instrument can be used individually or coupled with some other controls in the same container.

Speed control functions: 0- 1a- 2a- 3a- 4a.

Electromechanical life: **speed control n° 1.000.000 cycles.**



"2000" SERIES pag. 165 - 172 - 178

Switch and shifter/speed control unit designed for particular use, especially for vehicles that work in bad conditions.

The control levers can resist to traction over 90 kg (160 lbs.). The protection container, made of high-resistance polyamide to guarantee IP67 sealing of the electrical connection, is provided with a connector for "Deutsch connectors" (DT series) in the lower part. The electrical contacts of the shifter are "butt contacts" and allow direct coordination of solenoids until 2.5 amps with arc suppression diode. Versions with speed control obtained rotating the knob placed on the main control lever are available.

Switches functions: direction indicators, flashing, low and high beam, horn and lights ignition (revolving knob).

Shifters functions/Speed control: forward-reverse-slow-fast motion, 1a- 2a- 3a- 4a.

Windshield wiper functions: 2 speed washer pump.

Electromechanical life: **switches n° 100.000 cycles, shifters/speed control n° 1.000.000 cycles, windshield wiper n° 50.000 cycles.**



"316" SERIES pag. 112

Rugged shifters with microswitch electrical contacts for the locking on the steering column. Levers can resist to traction over 40 kg. They are particularly suitable for the electrical pc boards. The majority of versions have to be assembled inside protections against water and dust. Some versions are provided with a protection against natural agents.

Shifters functions: forward-neutral-reverse motion and mechanic clamping to prevent the accidental starting.

Electromechanical life: **shifters n° 1.000.000 cycles.**

Connection wiring harness available with different types of joint.



SERIE "622" - "866" - "776" - "962" - "987" pag. 106 - 107 - 108 - 109 - 110

Shifters/Speed control unit with "HALL EFFECT" and "REED" technology designed to manage electrical pc boards with loads below 100mA. This kind of technology, without mechanical contacts, guarantees a device medium life higher than 3.000.000 cycles.

The main functions forward-reverse motion, speed control and parking brake can be changed according to customer needs.

The instrument can be used individually or coupled with some other controls in the same container.



SERIE "106 - 109" pag. 217 - 218

Serie von Lenkstockschaltern für mittlere LKW.



SERIE "246" pag. 219 - 222

Eine Serie von Lenkstockschaltern für mittlere bzw. schwere LKW



SERIE "134" pag. 63

Diese Lenkstockschalter verfügen über ein Polyamid-Gehäuse und sind mit einem inneren Befestigungsbügel sowie einem Feststellstift versehen, um die Montage an verschiedenen Lenksäulen-Durchmessern zu ermöglichen. Der Metallhebel, dessen Griff in unterschiedlichem Design zur Verfügung steht, kann in verschiedenen Längen und Anbauwinkeln angeboten werden, um allen Anforderungen gerecht zu werden. Einige Versionen sind auf der Unterseite mit einem Schalter zum Ein- bzw. Ausschalten der Aussenbeleuchtung versehen.

Funktionen: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe und Schalter ein/aus Aussenbeleuchtung (nur bei einigen Versionen).

Durchgeführter Testlauf: **50.000 Wechselzyklen.**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "180" pag. 59 - 62

Robuste Fahr- bzw. Lenkstockschalter mit selbsttragendem, schwarz lackiertem Gehäuse aus Alu-Legierung, mit Feststellstift zur leichten Montage an Lenksäulen. Gehäuse für unterschiedliche Lenksäulen-Durchmesser und Hebel mit verschiedenen Längen und Montagewinkeln stehen zur Verfügung.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe. Funktion durch separaten Schalter ein/aus für Aussenbeleuchtung.

Funktionen Fahrshalter: vorwärts-rückwärts-langsam-schnell.

Durchgeführter Testlauf Lenkstockschalter: **50.000 Wechselzyklen Fahrshalter: 100.000 Wechselzyklen.**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "170" pag. 27 - 29

Platzsparende Lenkstock- bzw. Fahrshalter in Kompaktbauweise. Das vor Staub und Feuchtigkeit schützende Gehäuse wird direkt am Armaturenbrett angeflanscht. Diese Schalter sind speziell für den Einsatz auf kleineren Landwirtschafts- bzw. Baumaschinen vorgesehen, da alle wichtigen Bedienelemente auf engem Raum konzentriert sind.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe. Funktion durch separaten Schalter ein/aus für Aussenbeleuchtung.

Funktionen Fahrshalter: vorwärts-rückwärts-langsam-schnell.

Durchgeführter Testlauf Lenkstockschalter: **50.000 Wechselzyklen Fahrshalter: 100.000 Wechselzyklen.**

Anschlusskabel mit verschiedenen Steckverbindern oder mit COBO-eigenem Stecker bei Modell 01.199.000.



SERIE "190" 30 - 47 - 53 - 58 - 71 - 75 - 77 - 79 - 82 - 84 - 85 - 87 - 90

Platzsparende Lenkstockschalter, Fahrshalter oder Scheibenwischerschalter in Kompaktbauweise, die direkt am Armaturenbrett angeflanscht werden oder an der Lenksäule angebracht werden (Versionen mit Montagebügel). Der Hebel ist mit einem Drehgriff zum Ein- oder Ausschalten der Aussenbeleuchtung versehen. Scheibenwischerschalter mit gleichem Design und Montage. Gehäuse schützt elektrische Kontakte vor Staub und Feuchtigkeit und erleichtert die Montage.

Diese Schalter erlaubt eine rationelle Anordnung der Bedienelemente des Fahrzeugs und deckt mit den zur Verfügung stehenden Versionen praktisch alle Anwendungsbereiche ab.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe und ein/aus Aussenbeleuchtung (Drehgriff).

Funktionen Fahrshalter: vorwärts-rückwärts-langsam-schnell.

Funktionen Scheibenwischerschalter: Geschw. 1 Geschw. 2 Wascher.

Durchgeführter Testlauf Lenkstockschalter: **50.000 Wechselzyklen Fahrshalter: 100.000 Wechselzyklen Scheibenwischerschalter: 50.000 Wechselzyklen.**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "203" pag. 50 - 65 - 73

Fahrschalter mit Gleitkontakten zur Ansteuerung von Elektroventilen bis 2,5A mit Suppressordiode.

Robuste Mechanik bei kompakten Abmessungen, Montage an Armaturenbrett oder Lenksäule.

Funktionen Fahrschalter: vorwärts-rückwärts-langsam-schnell mit mechanischer Sperre zur Verhinderung versehentlicher Betätigung.

Durchgeführter Testlauf Fahrschalter: **750.000 Wechselzyklen.**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "281" pag. 69

Lenkstockschalter und Fahrschalter mit Polyamid-Gehäuse. Innerer Metallbügel und Feststellstift zur Montage an Lenksäulen mit unterschiedlichen Durchmessern. Hebel in verschiedenen Längen und Anbauwinkeln verfügbar. Einige Versionen sind auf der Unterseite mit einem Schalter zum Ein- bzw. Ausschalten der Aussenbeleuchtung versehen.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe + Lichtschalter (bei einigen Versionen in Verbindung mit separatem Schalter für Aussenbeleuchtung).

Funktionen Fahrschalter: vorwärts-rückwärts-langsam-schnell.

Durchgeführter Testlauf Lenkstockschalter: **50.000 Wechselzyklen Fahrschalter: 750.000 Wechselzyklen**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "250" pag. 105

Integrierter Fahr- bzw. Lenkstockschalter mit Gehäuse zur Montage an Lenksäulen mit Durchmesser 52 mm. Bestehend aus einem Lenkstockschalter "Serie 170" und einem Fahrschalter (bereits verkabelt), bietet dieses Gerät optimale Bedienmöglichkeiten bei Selbstfahrern.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe (in Verbindung mit separatem Schalter für Aussenbeleuchtung).

Funktionen Fahrschalter: vorwärts-rückwärts

Durchgeführter Testlauf Lenkstockschalter: **50.000 Wechselzyklen Fahrschalter: 750.000 Wechselzyklen.**



SERIE "240" pag. 99 - 118 - 124 - 127 - 135 - 139 - 143 - 150 - 152 - 154 - 161 - 163

Grosse Auswahl an robusten Komponenten, die als Lenkstockschalter, Fahrschalter, Scheibenwischerschalter oder zur Geschwindigsregulierung eingesetzt werden. Vielfältige Montagemöglichkeiten: direkt am Armaturenbrett, an der Lenksäule, vertical oder horizontal.

-Gleitkontakte: zur Bedienung von Komponenten bis 8-10A

-Mikroschalter: bis 1A

Für Schnittstellen mit elektronischen Steuerungen stehen Versionen mit vergoldeten Kontakten zur Verfügung, die eine Oxydation verhindern.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe und Licht ein/aus (Drehgriff).

Funktionen Fahrschalter u. Geschwindigkeitsregulierung: vorwärts-rückwärts-schnell-Hangsam 1-2-3-4

Funktionen Scheibenwischerschalter: Stufen 1 und 2 und Wascher

Durchgeführter Testlauf Lenkstockschalter: **100.000 Wechselzyklen - Fahrschalter u. Geschwingigkeitsregulierung: 1.000.000 Wechselzyklen**

Scheibenwischerschalter: 50.000 Wechselzyklen.

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "226" pag. 111

Geschwindigkeitsregulierer mit Mikroschaltern für elektronische Steuerungen bis 20mA. Das Gerät kann sowohl einzeln als auch zusammen mit anderen Bedienelementen in einem einzigen Gehäuse eingesetzt werden.

Funktionen Geschwindigkeitsregulierer: Stufen 0-1-2-3-4

Durchgeführter Testlauf Geschwingigkeitsregulierer: **1.000.000 Wechselzyklen.**



SERIE "2000" pag. 165 - 172 - 178

Fahr- und Lenkstockschalter/Geschwindigsregulierer für den Einbau auf Maschinen, die unter besonders schwierigen Bedingungen zum Einsatz kommen. Die Hebel sind bis zu 90kg belastbar. Das widerstandsfähige Polyamid-Gehäuse erreicht einen Schutzgrad von IP67 und besitzt an der Unterseite einen integrierten Deutsch-Stecker (Serie DT). Gleitkontakte ermöglichen die Ansteuerung von Elektroventilen bis 2,5A mit Suppressordiode..

Versionen mit Geschwindigkeitsregulierungs-Funktion am Drehgriff des Haupthebels stehen zur Verfügung.

Funktionen Lenkstockschalter: Blinker, Lichthupe, Fahr- bzw. Fernlicht, Hupe und ein/aus Aussenbeleuchtung (Drehgriff).

Funktionen Fahrschalter u. Geschwindigkeitsregulierung: vorwärts-rückwärts-langsam-schnell, Stufen 1-2-3-4.

Funktion Scheibenwischerschalter: Stufen 1-2, Wascher

Durchgeführter Testlauf Lenkstockschalter: **100.000 Wechselzyklen - Fahrschalter u. Geschwingigkeitsregulierung: 1.000.000 Wechselzyklen**

- Scheibenwischerschalter: 50.000 Wechselzyklen.



SERIE "316" pag. 112

Fahrschalter mit Mikroschaltern und robuster Mechanik zur Montage an der Lenksäule und besonders für elektronische Steuerungen geeignet. Die Hebel haben eine Belastbarkeit von 40kg. Dieser Schalter ist für den Einsatz in einer Kabine vorgesehen, in der er vor Wasser und Staub geschützt ist. Versionen mit entsprechendem Schutzgrad für Aussenanwendungen stehen zur Verfügung.

Funktionen Fahrschalter: vorwärts-neutral-rückwärts mit mechanischer Sperre zur Verhinderung versehentlicher Betätigung

Durchgeführter Testlauf Fahrschalter: **1.000.000 Wechselzyklen**

Anschlusskabel mit verschiedenen Steckverbindern.



SERIE "622" - "866" - "776" - "962" - "987" pag. 106 - 107 - 108 - 109 - 110

Produktreihe von Fahrschaltern und/oder Geschwindigkeitsregulierern mit **"Hall-Effekt"** und **"REED"**-Technologie für elektronische Steuerungen bis 100mA.

Die "Hall-Effekt"-Technologie, ohne mechanische Kontakte, erlaubt eine wesentlich höhere Lebensdauer mit mehr als 3.000.000 Wechselzyklen.

Die Grundfunktionen vorwärts-rückwärts, Geschwindigkeitsregulierung und Feststellbremse können je nach Anforderung kundenspezifisch gestaltet werden.

Die Technik kann einzeln verwendet werden oder mit anderen Steuerungen in einem Gehäuse untergebracht werden.

FRANÇAIS



SERIE "106 - 109" pag. 217 - 218

Famille de comandos utilisés principalement sur les camions de moyenne gamme



SERIE "246" pag. 219 - 222

Familles de comandos utilisés principalement sur les camions de gamme lourde moyen



SERIE "134" pag. 63

Comandos équipés d'un carter de protection réalisé en polyamide, d'une fixation interne métallique et d'un cran de blocage pour adapter la fixation selon les différents diamètres de colonne de direction. Le levier métallique de commande, disponible en deux styles de pommeau, peut être réalisé dans différentes longueurs et inclinaisons pour s'adapter à l'exigence spécifique de la clientèle. Il existe certaines versions équipées d'un interrupteur supplémentaire, positionné sur la partie inférieure de l'appareil, pour l'éclairage des feux extérieurs.

Fonctions du comando: indicateur de direction, appel de phares, feu de route, feu de croisement, avertisseur sonore + interrupteur pour l'éclairage des feux extérieurs (uniquement dans certaines versions). Ils doivent être couplés avec un interrupteur pour l'éclairage des feux extérieurs.

Ils sont testés pour un nombre de manœuvres fonctionnelles: **Comodo: 50.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "180" pag. 59 - 62

Comodos ou inverseurs simples, robustes, équipés d'un carter réalisé en alliage d'aluminium vernis noir pour faciliter leur fixation à la colonne de direction.

Sont disponibles des carters de protection pouvant s'adapter aux différents diamètres de colonne de direction.

Le levier métallique de commande peut être réalisé dans différentes longueurs et inclinaisons pour s'adapter à l'exigence spécifique de la clientèle.

Fonctions du comando: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore. Ils doivent être couplés avec un interrupteur pour l'éclairage des feux extérieurs

Fonctions de l'inverseur: marche avant- arrière- lente- rapide.

Ils sont testés pour un nombre de manœuvres fonctionnelles: **Comodo: 50.000 cycles, Inverseur: 100.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "170" pag. 27 - 29

Comodos ou Inverseurs de dimensions très compactes pour réduire au minimum les encombrements. Projetés pour être montés directement sur le tableau de bord en utilisant le carter qui protège les contacts électriques de la poussière et de l'humidité.

Particulièrement adaptés pour l'usage sur petites machines agricole ou engins TP, permettent de concentrer, sur peu d'espace les principales commandes du véhicule.

Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore. Ils doivent être couplés avec un interrupteur pour l'éclairage des feux extérieurs.

Fonctions de l'inverseur: marche avant- arrière-lente- rapide.

Ils sont testés pour un nombre de manœuvres fonctionnelles: **Comodo: 50.000 cycles, Inverseur: 100.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion ou, pour la version O1.199.000, en utilisant un connecteur spécifique COBO.



SERIE "190" pag. 30 - 47 - 53 - 58 - 71 - 75 - 77 - 79 - 82 - 84 - 85 - 87 - 90

Comodos, inverseurs ou comodo d'essuie glace de dimensions très compactes pour réduire au minimum les encombrements.

Projetés pour être appliqués directement sur le tableau de bord, ou version avec patte, également sur colonne de direction. Les comodos sont équipés d'un bouton rotatif pour l'éclairage des feux extérieurs. Ils complètent la série « commandes d'essuie glace » avec le même style et caractéristiques de fixation. Il ont un carter qui protège les contacts électriques de la poussière et de l'humidité et facilite l'assemblage.

L'utilisation de ces dispositifs permet de rationaliser la disposition des commandes des véhicules, et en rassemblant les nombreuses versions disponibles, nous pouvons satisfaire l'ensemble des exigences de notre clientèle.

- Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore et éclairage des feux extérieurs (bouton rotatif)

- Fonctions de l'inverseur: marche avant- arrière- lente- rapide.

- Fonctions du comodo essuie glace: 2 vitesses pompe lavage pare-brise

Ils sont testés pour un nombre de manœuvres fonctionnelles: **Comodo: 50.000 cycles, Inverseurs: 100.000 cycles, Essuie glace: 50.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "203" pag. 50 - 65 - 73

Inverseur avec contacts électriques " frontal in air" adaptés à la commande directe d'électrovannes jusqu'à 2,5A avec diode de suppression d'arc. Ils sont robustes et ont des dimensions très compactes pour réduire au minimum les encombrements et il sont aussi projetés pour être montés directement sur le tableau de bord et sur la colonne de direction.

Fonctions de l'inverseur: marche avant- arrière- lente- rapide et éventuellement verrouillage mécanique pour empêcher l'actionnement accidentel du dispositif.

Ils sont testés pour un nombre de manœuvres fonctionnelles: **Inverseurs: 750.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "281" pag. 69

Comodo + inverseurs équipés d'un carter de protection réalisés en polyamide, d'une fixation interne métallique et d'un cran de blocage pour faciliter la fixation selon les différents diamètres de colonne de direction. Les leviers métalliques de commande, peuvent être réalisés de différentes longueurs et inclinaisons pour s'adapter aux exigences de la clientèle. Il y a des versions avec un interrupteur supplémentaire, positionné dans la partie inférieure de l'appareil, pour l'éclairage des feux extérieurs.

Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore + interrupteur pour l'éclairage des feux extérieurs. Ils doivent être couplés avec un interrupteur pour l'éclairage des feux extérieurs (seulement quelques versions).

Fonctions de l'inverseur: marche avant- arrière- lente- rapide.

Il sont testés pour un nombre de manœuvres fonctionnelles: **Comodos: 50.000 cycles, Inverseurs: 750.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "250" pag. 105

Ensemble comodo + inverseurs avec carter spécifique pour montage sur lune colonne de direction de diamètre de 52 mm; L'appareil, composé d'un comodo de la série « 170 » et d'un inverseur intégrés dans un même et unique carter et câblés, regroupe et optimise les commandes des fonctions nécessaires au véhicules automoteurs.

Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore. Ils doivent être assemblés avec un interrupteur pour l'éclairage des feux extérieurs.

Fonctions de l'inverseur: marche avant- arrière.

Il sont testés pour un nombre de manœuvres fonctionnelles: **Comodos: 50.000 cycles, Inverseurs: 750.000 cycles.**



SERIE "240" pag. 99 - 118 - 124 - 127 - 135 - 139 - 143 - 150 - 152 - 154 - 161 - 163

Gamme très variée de dispositifs robustes particulièrement adaptés tels que comandos, inverseurs, comandos d'essuie glace et variateurs de vitesse. Projetés pour être montés directement sur le tableau de bord ou sur la colonne de direction avec montage horizontal et vertical. Ils sont disponibles selon différentes technologies de contacts électriques:

Contacts frontal en l'air: pour le command direct de dispositifs avec charges jusqu'à 8-10A

Microswitch: pour utilisations avec charges jusqu'à 1A

Pour interface avec centrales électroniques il y a des versions avec les contacts dorés pour éviter les problèmes d'oxydation.

Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore et éclairage des feux extérieurs (Bouton rotatif).

Fonctions de l'inverseur/Variateur de vitesse: marche avant- arrière- lente- rapide 1ère, 2ième, 3ème, 4ème vitesse

Fonctions de l'essuie glace: 1ère et 2ème vitesse pompe lavage pare-brise

Il sont testés pour un nombre de manœuvres fonctionnelles: **Comodos 1 00.000 cycles, Inverseurs//Variateur de vitesse: 1.000.000 cycles, Essuie glace: 50.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "226" pag. 111

Variateur de vitesse avec des contacts électriques à microswitch pour commander une centrale électronique avec des charges allant jusqu'à 20mA.

L'appareil peut être utilisé seul ou couplé avec d'autres commandes dans un seul et unique carter.

- Fonctions du Variateur de vitesse: 1ère, 2ème, 3ème, 4ème

Il sont testés pour un nombre de manœuvres fonctionnelles: **Variateur de vitesse: 1.000.000 cycles**



SERIE "2000" pag. 165 - 172 - 178

Gamme de comandos et inverseurs/Variateurs de vitesse projetés pour des utilisations particulièrement sévères sur des machines fonctionnant dans des conditions d'environnement très critiques. Les leviers de commande résistent à tractions supérieures à 90 kg (160 livres.). Le carter de protection, réalisé en polyamide à haut résistance, pour garantir un degré d'étanchéité IP67 au niveau de la connexion électrique, est équipé, dans sa partie inférieure, d'un connecteur intégré adapté aux connecteurs « DEUTSCH » (série DT). Les contacts électriques de l'inverseur sont « en l'air avec contact frontal » et permettent de commander directement des solénoïdes jusqu'à 2,5 ampères avec diode de suppression d'arc.

Ils sont disponibles en versions avec fonction variateur de vitesse obtenu en tournant le bouton positionné sur le levier principal de commande.

Fonctions du comodo: indicateur de direction, appel de phare, feu de route, feu de croisement, avertisseur sonore et éclairage des feux extérieurs (Bouton rotatif).

Fonctions de l'inverseur/Variateur de vitesse: marche avant- arrière- lente- rapide

Fonctions de l'essuie glace: 1ère et 2ème vitesse pompe lavage pare-brise

Il sont testés pour un nombre de manœuvres fonctionnelles: **Comodos: 100.000 cycles, Inverseurs//Variateur vitesse: 1.000.000 cycles, Essuie glace: 50.000 cycles.**



SERIE "316" pag. 112

Inverseurs avec contacts électriques à microswitch pour fixation sur des colonnes direction mécaniquement très robustes. Les leviers résistent à des tractions jusqu'à 40kg. Particulièrement adaptés pour commander des centrales électroniques. La plupart des versions doivent être montées dans un système de protection du dispositif contre l'eau et la poussière. Il existe des versions équipées d'un système de protection contre les agents atmosphériques.

Fonctions de l'inverseur: marche avant- point mort- marche arrière et verrouillage mécanique contre une manœuvre accidentelle.

Il sont testés pour n° de manœuvres fonctionnelles: **Inverseurs n° 1.000.000 cycles.**

Faisceau de connexion disponible avec différents types de connexion.



SERIE "622" - "866" - "776" - "962" - "987" pag. 106 - 107 - 108 - 109 - 110

Gamme d'inverseurs et/ou variateurs de vitesse avec technologie "EFFET HALL" et "REED" projetés pour commander des centrales électroniques avec charges inférieures à 100mA. La technologie utilisée, sans aucun contact de type mécanique, garantit une moyenne vie du dispositif supérieure à 3.000.000 de cycles.

Fonctions de base: marche avant- arrière, variateur de vitesse, frein de parking peuvent être personnalisées selon les exigences de la clientèle.

L'appareil peut être utilisé seul ou intégré avec d'autres commandes dans un seul et unique carter.



SERIE "106 - 109" pag. 217 - 218

Série de interruptores de coluna de direção utilizada principalmente em caminhões de médio porte.



SERIE "246" pag. 219 - 222

Série de interruptores de coluna de direção utilizada principalmente em caminhões de porte médio-pesado.



SERIE "134" pag. 63

Interruptores de coluna de direção com caixa de proteção em poliamida. Dotada de flange interna metálica e pino de bloqueio para facilitar a fixação a diversos diâmetros de coluna de direção. A alavanca metálica de comando, disponível com manopla de dois diversos estilos, pode ser produzida com diversos comprimentos e inclinações para adaptar-se às especificações exigidas pelo cliente. Algumas versões são dotadas de interruptor suplementar, colocado na parte inferior do aparelho, para o acendimento das luzes externas.

Funções do interruptor da coluna de direção: indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico + interruptor para acendimento das luzes externas (somente algumas versões).

Nas demais deve ser adicionado um interruptor para o acendimento das luzes externas.

São testadas por número de manobras funcionais: **Interruptor de coluna de direção n. 50.000 ciclos**

Chicote de interligação disponível com diversos tipos de conexão.



SERIE "180" pag. 59 - 62

Interruptor de coluna de direção ou inversor simples, robusto, dotado de caixa feita em liga de alumínio envernizada preta autoportante para facilitar a fixação na coluna de direção. Disponível cobertura de proteção adaptada a diversos diâmetros da coluna de direção. A alavanca metálica do comando pode ser produzida com diversos tamanhos e inclinações para adaptar-se às diversas especificações exigidas pelo cliente.

Funções do interruptor da coluna de direção: indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico. Deve ser adicionado um interruptor para o acendimento das luzes externas.

Função inversora: marcha avante atrás lenta - rápida.

São testadas pelo seguinte número de operações: **Interruptor de Coluna de direção n° 50.000, Inversor n° 100.000 ciclos**

Chicote de interligação disponível com diversos tipos de conexão.



SERIE "170" pag. 27 - 29

Interruptor de coluna de direção ou inversor de dimensão muito compacta para reduzir ao mínimo o espaço utilizado. Projetado para ser aplicado diretamente no painel de instrumentos utilizando o gabinete que protege os contatos elétricos do pó e umidade.

Particularmente adaptado para o uso em pequenas máquinas agrícolas/movimento terra permitindo a concentração, em pouco espaço, os comandos essenciais do veículo.

Funções Interruptor de coluna de direção: Indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico. Deve ser acrescentado um interruptor para o acendimento das luzes externas.

Funções do inversor: Marcha avante atrás lenta - rápida.

São testadas para o seguinte n° de manobras funcionais: **Interruptor de coluna de direção n. 50.000 ciclos, Inversor n. 100.000 ciclos**

Chicote de interligação disponível com diversos tipos de conexão ou para versão 01.199.000, utilizando um conector COBO específico.



SERIE "190" pag. 30 - 47 - 53 - 58 - 71 - 75 - 77 - 79 - 82 - 84 - 85 - 87 - 90

Interruptor de coluna de direção, inversores ou interruptores limpa pára-brisa muito compactos para reduzir ao mínimo o espaço utilizado. Projetados para serem montados diretamente sobre painel de instrumentos ou, as versões com flange, também sobre a coluna de direção.

Os interruptores de colunas de direção são dotados de manopla rotativa para o acendimento de luzes externas. Completam a série "comandos limpa pára-brisa" com o mesmo estilo e características de fixação. Podem ser fornecidos com gabinete que protege os contatos elétricos do pó e umidade e facilita a montagem. O uso destes dispositivos permite racionalizar a disposição dos comandos do veículo e, juntando as inúmeras versões disponíveis é possível satisfazer inúmeras exigências.

Funções do Interruptor de coluna de direção: Indicador de direção sinal de luz, luz baixa, luz alta e indicador acústico e acendimento de luzes (manopla rotativa)

Funções do inversor: Marcha avante atrás lenta - rápida.

Funções interruptor limpa pára brisa: 1° -2° velocidades, bomba esguicho d'água.

Testadas por número de manobras funcionais: **Interruptor de coluna de direção n° 50.000, Inversores n° 100.00 ciclos, Interruptor limpa pára brisa n° 50.000 ciclos**

Chicote de interligação disponível com diversos tipos de conexão.



SERIE "203" pag. 50 - 65 - 73

Inversor com contatos elétricos "frontais abertos" adaptados ao comando de eletro-válvula até 2,5 Amp com diodo de supressão de arco elétrico. Robustos mecanicamente mantendo, contudo apresentando dimensões reduzidas e são produzidos com versão para montagem no painel ou na coluna de direção.

Funções do inversor: Marcha avante - atrás - lenta - rápida com eventual bloqueio mecânico para impedir o acionamento acidental do dispositivo. Testados para um número de manobras funcionais: **Inversor 750.000 ciclos.**
Chicote de interligação disponível com diversos tipos de conexão.



SERIE "281" pag. 69

Interruptor de coluna de direção + inversor dotados de gabinete de proteção feito em poliamida. Dotados de flange interna metálica e pino de bloqueio para facilitar a fixação em colunas de direções de diversos diâmetros. As alavancas metálicas de comando podem ser produzidas em diversos comprimentos e inclinações para adaptar-se às especificações do cliente. Algumas versões são dotadas de interruptor complementar, montado na parte inferior do aparelho, para o acendimento das luzes externas.

Funções do Interruptor de coluna de direção: Indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico + interruptor para acendimento de luzes.

Deve ser acrescido um interruptor para acendimento das luzes externas.

Funções do inversor: Marcha a frente - neutro - atrás - lenta - rápida.

São testadas por n° de manobras funcionais: **Interruptor de coluna de direção n. 50.000 ciclos, Inversor n. 750.000 ciclos**
Chicote de interligação disponível com diversos tipos de conexão.



SERIE "250" pag. 105

Grupo integrado Interruptor de coluna de direção + inversor com gabinete específico para montagem numa coluna de direção com diâmetro de 52mm.

O aparelho, composto de um interruptor de coluna de direção da série "170" e de um inversor inserido em um só gabinete inclui o chicote de interligação, reagrupa e otimiza os comandos de funções de máquinas.

Funções do Interruptor de coluna de direção: indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico. Deve ser acrescido um interruptor para acendimento das luzes externas.

Funções do inversor: Marcha avante - atrás.

São testados para n° de manobras funcionais: **Interruptor de coluna de direção n° 50.000 ciclos, Inversor n° 750.000 ciclos**



SERIE "240" pag. 99 - 118 - 124 - 127 - 135 - 139 - 143 - 150 - 152 - 154 - 161 - 163

Grupo integrado Interruptor de coluna de direção + inversor com gabinete específico para montagem numa coluna de direção com diâmetro de 52mm.

O aparelho, composto de um interruptor de coluna de direção da série "170" e de um inversor inserido em um só gabinete inclui o chicote de interligação, reagrupa e otimiza os comandos de funções de máquinas.

Funções do Interruptor de coluna de direção: indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico. Deve ser acrescido um interruptor para acendimento das luzes externas.

Funções do inversor: Marcha avante - atrás.

São testados para n° de manobras funcionais: **Interruptor de coluna de direção n° 50.000 ciclos, Inversor n° 750.000 ciclos**



SERIE "226" pag. 111

Variador de velocidade com contatos elétricos com microswitch para comando de central eletrônica com cargas até 20mA.

O aparelho pode ser usado isoladamente ou combinado com outros comandos em um único módulo.

Funções do variador de velocidade: 0 - 1ª - 2ª - 3ª - 4ª

Testados por número de manobras funcionais: **Variador de velocidade n°. 1.000.000 ciclos**



SERIE "2000" pag. 165 - 172 - 178

Gama de Interruptor de coluna e inversores/variadores de velocidade projetada para uso particularmente pesado para máquinas operando em condições ambientais críticas. A alavanca de comando resiste a trações superiores a 90Kg (160lbs). O gabinete de proteção é feito em poliamida de alta resistência, para garantir uma proteção IP67 da conexão elétrica. Na parte inferior possui um conector integrado "DEUTSCH (série DT)". Os contatos elétricos do inversor são do tipo "aberto com contato frontal" e permitem acionar diretamente solenóides até a 2,5A com diodo de supressão de arco elétrico. Disponíveis versões com a função de variadores de velocidade obtendo-se ao girar a manopla colocada sobre a alavanca principal do comando.

Funções do Interruptor de coluna de direção: Indicador de direção, sinal de luz, luz baixa, luz alta e indicador acústico e acendimento de luzes (manopla rotativa)

Funções inversoras / Variador de velocidade: Marcha a frente - atrás - lenta - rápida 1ª 2ª 3ª 4ª

Funções interruptor limpa pára-brisa: 1º - 2º velocidade, bomba do esguicho d'água.

Testados por número de manobras funcionais: **Interruptor de coluna de direção n° 100.000 ciclos, Inversor/Variador de velocidade n. 1.000.000 ciclos, Interruptor do limpador de pára-brisa n° 50.000 ciclos**



SERIE "316" pag. 112

Inversores com contatos elétricos com microswitch e fixação para coluna de direção. Mecanicamente muito robustos. A alavanca resiste a trações até 40Kg. Particularmente adaptados para comandar centrais eletrônicas. A maior parte das versões devem ser montadas dentro de gabinetes que protejam o dispositivo da água e poeira. Algumas versões são já dotadas de própria proteção contra os agentes atmosféricos.

Funções do inversor: Marcha avante - neutro - atrás e bloqueio mecânico contra o acionamento accidental.

Testados por número de manobras funcionais: **Inversores n° 1.000.000 ciclos,**

Chicote de interligação disponível com diversos tipos de conexão.



SERIE "622" - "866" - "776" - "962" - "987" pag. 106 - 107 - 108 - 109 - 110

Gama de inversor e/ou variador de velocidade com tecnologia "HALL EFFECT" e "REED" projetados para comandar centrais eletrônicas com cargas inferiores a 100mA. A tecnologia utilizada, sem qualquer contato de tipo mecânico, permite garantir uma vida média do dispositivo superior aos 3.000.000 de ciclos.

As funções base: Marcha avante - atrás, variadores de velocidade, freio de estacionamento podem ser personalizados segundo as especificações exigidas.

O aparelho pode ser utilizado isoladamente ou integrado com os outros comandos em um único gabinete.



• Serie 170 fissaggio a cruscotto DEVIOGUIDA COMANDO LUCI

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 170 dashboard mounting LIGHT CONTROL SWITCH

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

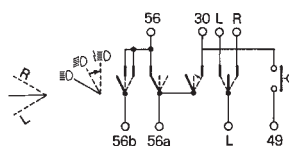
Protection container: Polyamide

Connection cable: Available with different kinds of connection



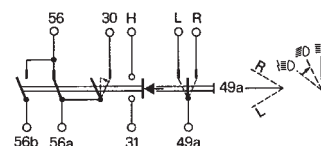
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	5A	3A
	7A	5A

072



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.523.000		

037



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.199.000		

[illegible]

- **Serie 170** fissaggio a cruscotto
INVERSOE MARCIA AVANTI-INDIETRO
Leva interna: Metallica
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide
Cavo di collegamento: Disponibile con diversi tipi di connessione
Contatti elettrici: frontali in aria

Contatti elettrici: frontali in aria

Electrical contacts: *Butt contacts*



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	8A	5A
R	8A	5A
	8A	5A
	8A	5A

The diagram shows a transformer with a star-delta configuration. The primary winding (left) has terminals 1, 2, 3 and a neutral point 0. The secondary winding (right) has terminals A, B, C and a neutral point 0. The primary is connected to a 3-phase 4-wire system (L, H, alimentaz., B). The secondary is connected to a 3-phase 4-wire system (L, H, alimentaz., B).

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.261.000	Technical drawing of the 01.261.000 connector. The drawing includes three views: a front view, a side view, and a detail view of the cable end. Dimensions are provided in millimeters (mm): - Front view: Total height 55 mm, base diameter 18 mm. - Side view: Total height 106 mm, base diameter 60 mm. - Detail view: Cable diameter 150 mm.	F R

P/N	DIMENSIONI <i>DIMENSIONS</i>	FUNZIONI <i>FUNCTIONS</i>

• Serie 190 fissaggio a cruscotto DEVIAGUIDA COMANDO LUCI

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 190 dashboard mounting LIGHT CONTROL SWITCH

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

Connection cable: Available with different kinds of connection



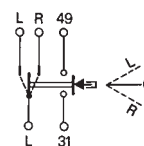
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	5A	3A
	7A	5A
	5A	3A

118



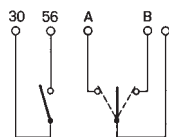
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0761.0000		

024



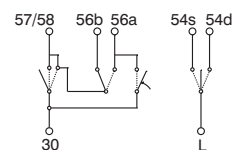
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.307.000		
01.0684.0000		

040



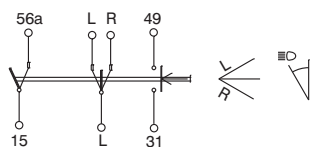
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.277.000		

251



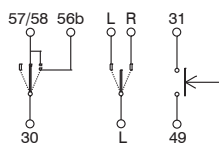
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0856.0000		
NASO 01.1068.0000		

242



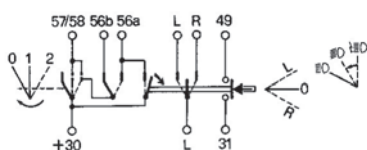
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0832.0000		

312



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1052.0000		

013



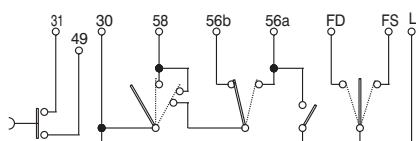
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1023.0000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.378.000		
01.0893.0000 DIFFERISCE DA 01.378.000 PER PIN-OUT IT DIFFERS FROM 01.378.000 IN THE PIN-OUT		
01.0657.0500		
01.1083.0000		
01.0703.0000		

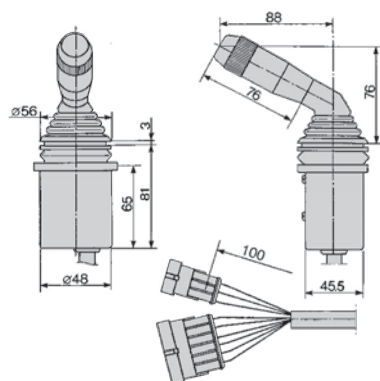
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.447.000		
01.273.000		
01.258.000		
01.319.000		
01.0662.0000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0964.0000		
01.1139.0000		
01.0669.0000		

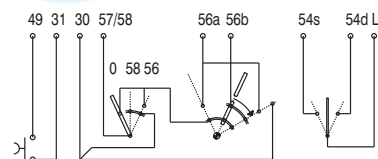
263



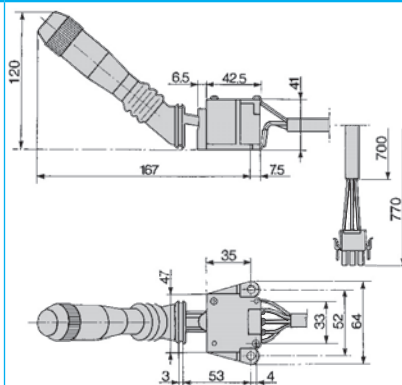
01.0902.0000



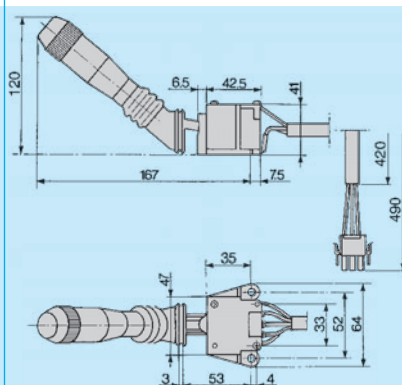
249



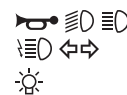
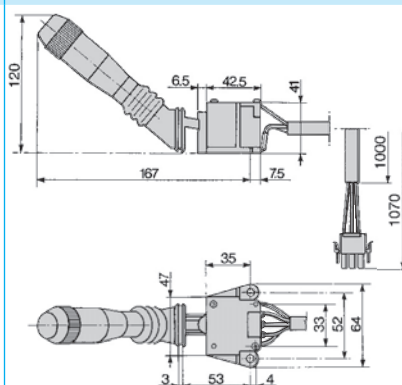
01.0852.0000



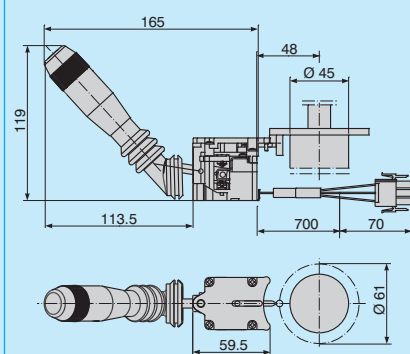
01.581.000



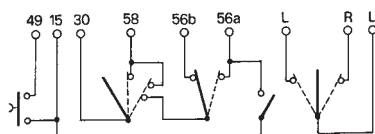
01.221.550



01.0863.0000



032



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.341.000		
01.318.000		
01.0769.0000		
01.0682.0000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.272.000		
01.227.000		
01.571.000 DIFFERISCE DAL 01.227.000 PER LA ROTAZIONE DELLA SIMBOLOGIA DI 180° IT DIFFERS FROM 01.227.000 IN SYMBOL ROTATED 180°		
01.293.000		
01.416.000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.292.000		

01.327.000		
------------	--	--

01.0623.0000		
--------------	--	--

01.1057.0000		
--------------	--	--

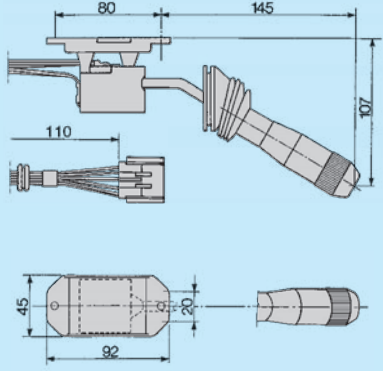
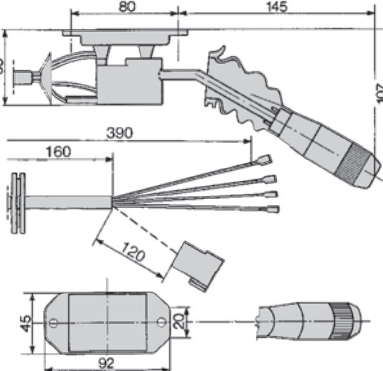
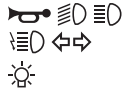
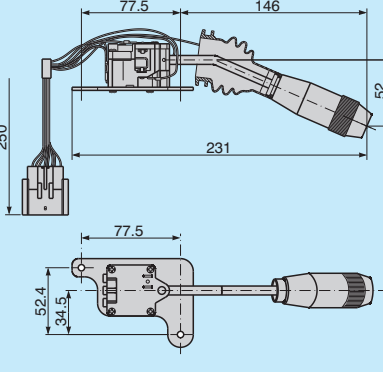
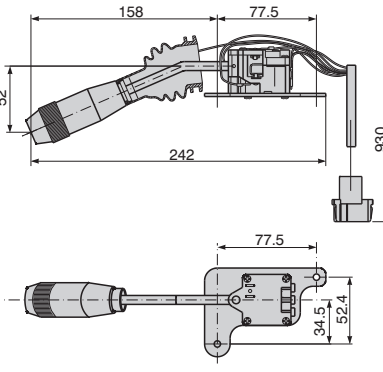
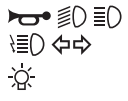
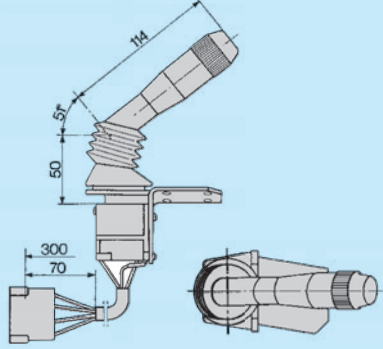
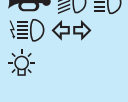
01.0819.0000		
--------------	--	--

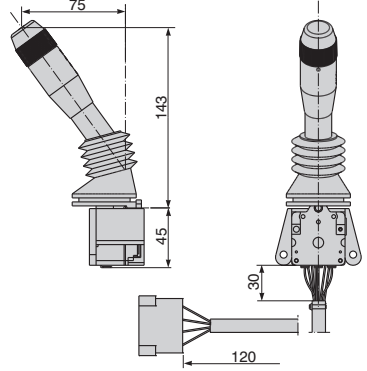
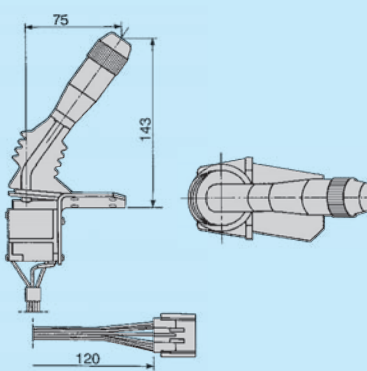
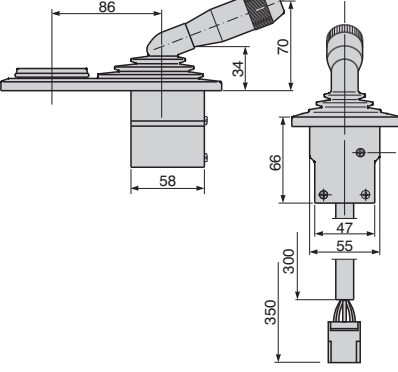
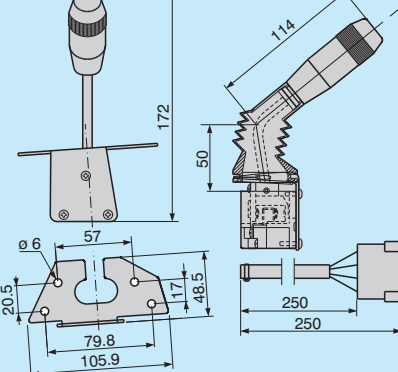
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.403.000		

01.537.000		
------------	--	--

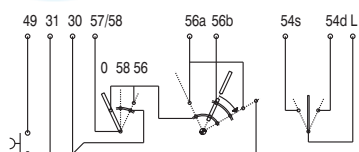
033		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.271.000		

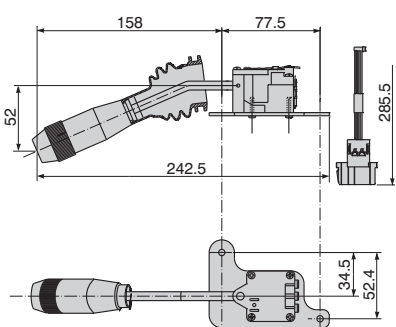
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.303.000		
01.206.000		
01.0640.0000		
01.0950.0000		
01.251.000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0892.0000		
01.462.000		
01.0620.0000		
01.0681.0000		

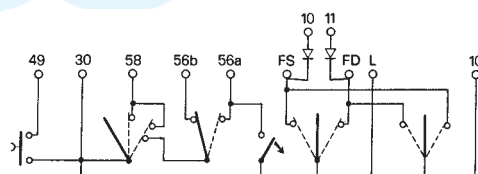
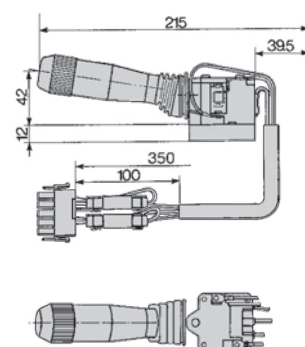
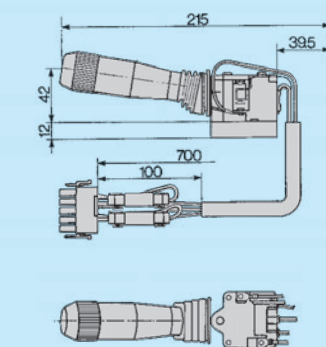
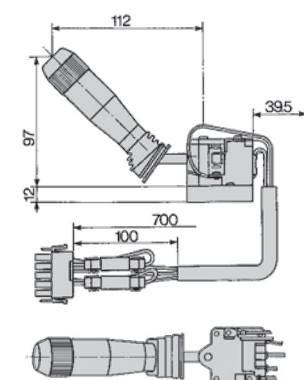
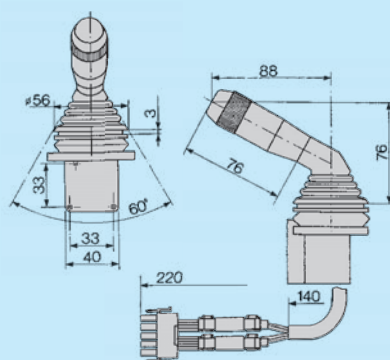
249



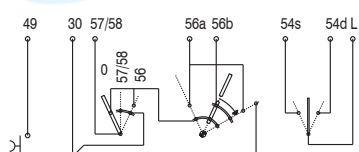
01.0885.0000



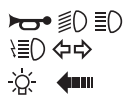
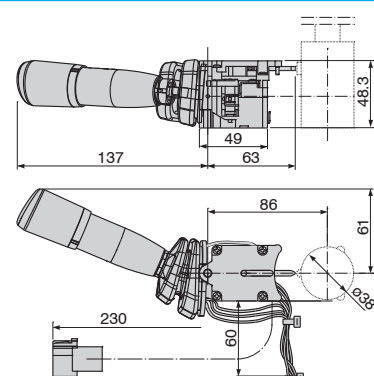
041

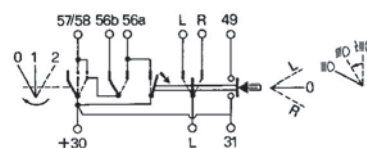
NASO
01.393.000NASO
01.283.000NASO
01.439.000NASO
01.490.000

323



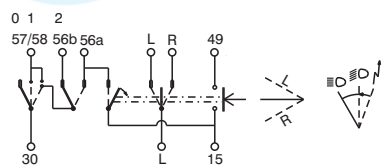
01.0987.0500



[illegible]

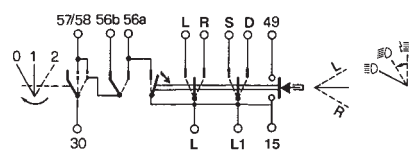
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.404.000		
01.0824.0000 01.0824.0500 SENZA PIASTRA WITHOUT PLATE		
01.337.500		

141



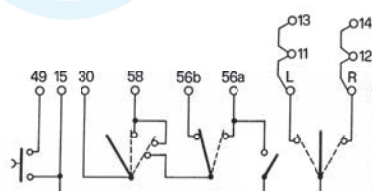
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0598.0000		
01.0597.0000		

127

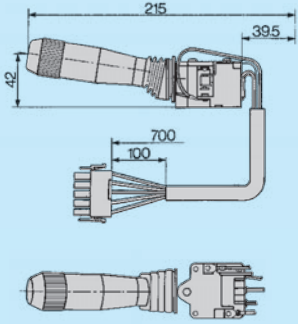


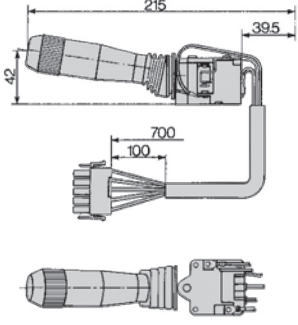
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.494.000		

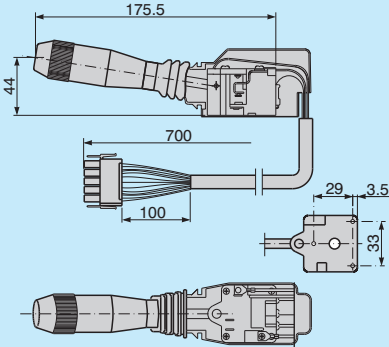
061



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.392.000		

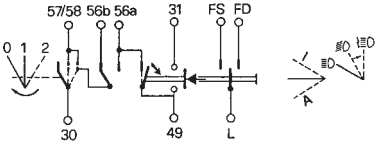
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.282.000		

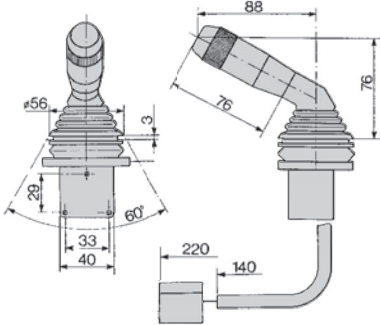
NASO 01.0942.0000		
------------------------------	---	---

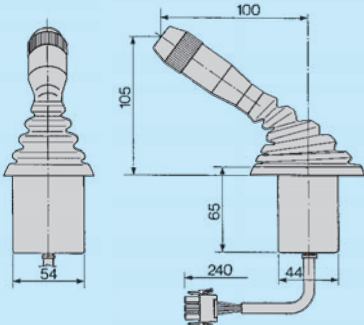
NASO 01.0683.0000		
------------------------------	---	---

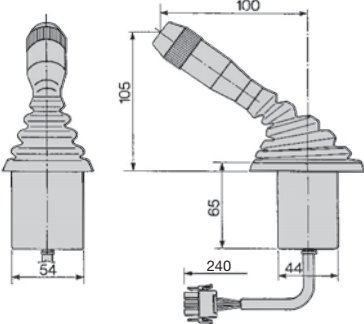
--	--	--

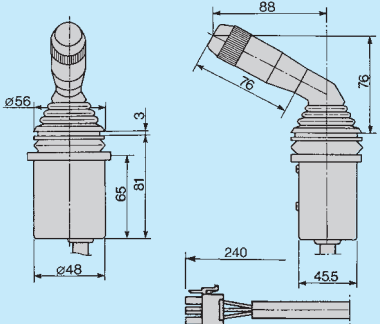
--	--	--

	078	
		
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS

01.491.000		
-------------------	---	---

01.357.000		
-------------------	---	---

01.1045.0000 DIFFERISCE DAL 01.357.000 PER ORIENTAMENTO SERIGRAFIA IT DIFFERS FROM 01.357.000 IN ICONS ORIENTATION		
--	---	---

01.1077.0000		
---------------------	---	---

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.368.000		

01.0584.0000		
--------------	--	--

--	--	--

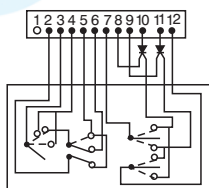
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0904.0000		

--	--	--

01.0686.0000		
01.0685.0000		

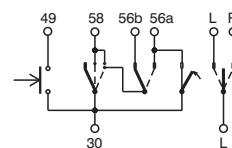
--	--	--

181



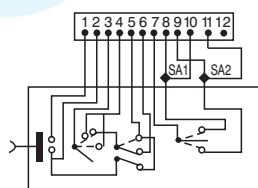
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.549.000		

151



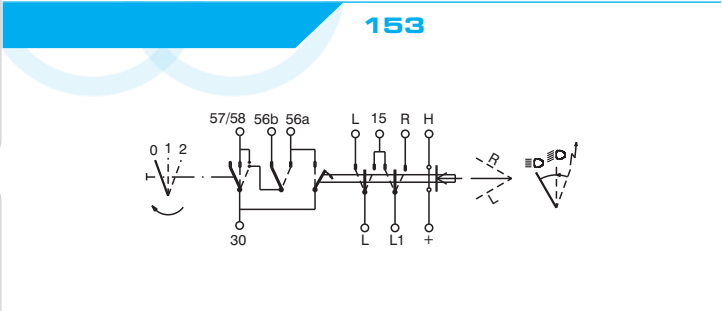
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0605.0000		
NASO 01.0642.0000		
NASO 01.0693.0000		
NASO 01.0875.0000		

182



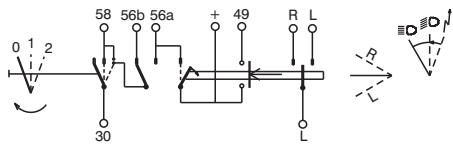
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.548.000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0876.0000		
NASO 01.1029.0000		

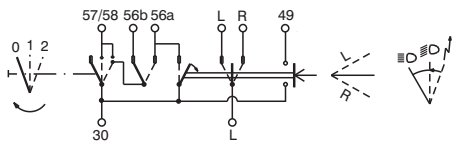


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.0599.0000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.0608.0000		
NASO 01.0609.0000		
NASO 01.0624.0000		
NASO 01.0590.0000		
NASO 01.0865.0000		

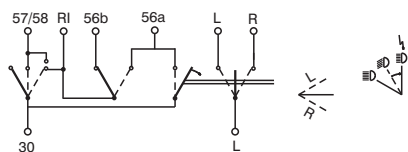


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.558.000		



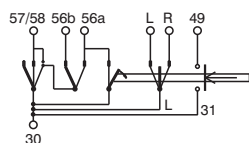
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.467.500		
01.0680.0500		

197



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.524.000		

188



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0753.0000		

• Serie 190 *fissaggio a cruscotto* COMANDI TERGICRISTALLO

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 190 *dashboard mounting* WINDSHIELD WIPER SWITCHES

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

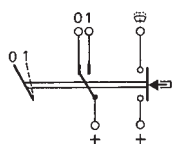
Protection container: Polyamide

Connection cable: Available with different kinds of connection



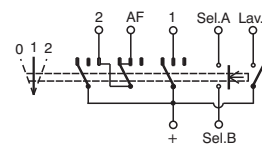
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	8A	5A
	9A	6A
	5A	3A
	8A	5A

065



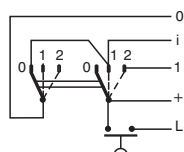
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.337.600		

202



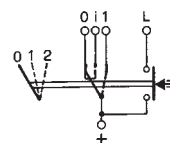
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.564.600		

155



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
16.212.000		
16.0236.0000		
16.0238.0000		

055



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
16.187.000		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
NASO 01.0766.0000		
NASO 01.0868.0000		

[illegible]

• Serie 203 *fissaggio a cruscotto* INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici: Frontali in aria

• Series 203 *dashboard mounting* FORWARD-REVERSE-SLOW-FAST SHIFTER

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

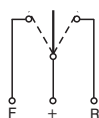
Connection cable: Available with different kinds of connection

Electrical contacts: Butt contacts

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	8A	5A
N	8A	5A
R	8A	5A
	8A	5A
	8A	5A
	3A	2A

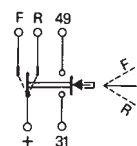


169



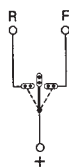
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0657.0600		F R

038



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.547.000		F R

066



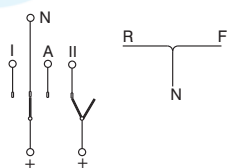
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.349.000		F R
01.366.000		F R

012



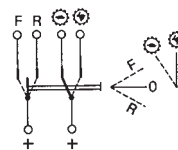
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.343.000		F N R
01.365.000		F N R

230



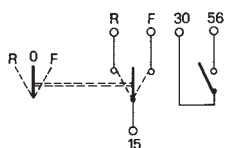
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0806.0000		F N R 0

003



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.342.000		F R
01.269.000		F R
01.0829.0000		F R
01.367.000		F R

098



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.418.000		F R I

- **Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI+COMANDO TERGICRISTALLO

Comando luci interne-esterne o tergicristallo: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Staffa di supporto: Acciaio zincato

Cavo di collegamento: Disponibile con diversi tipi di connessione

• **Series 190** dashboard mounting
LIGHT CONTROL SWITCH+WINDSHIELD WIPER

Interior-exterior lights or windshield wiper control: turning knob lever

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

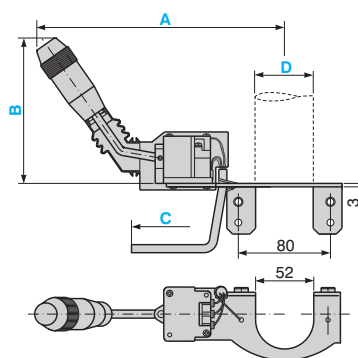
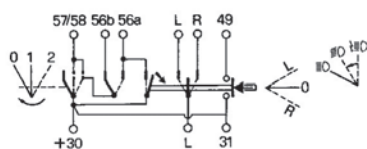
Rest bracket: Zinc-plated steel

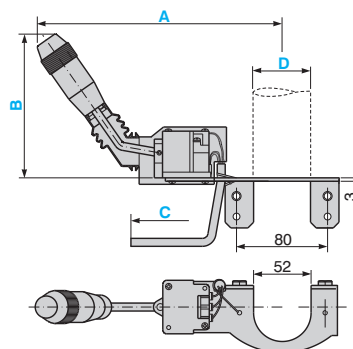
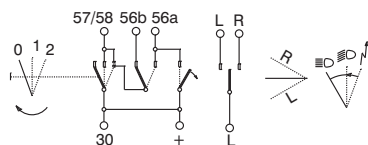
Connection cable: Available with different kinds of connection



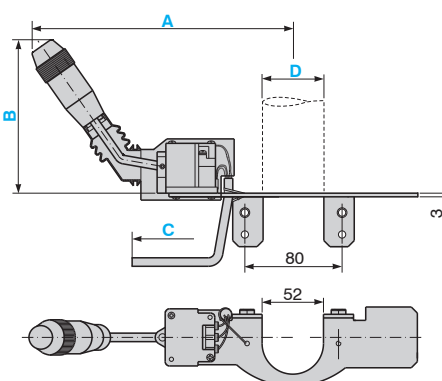
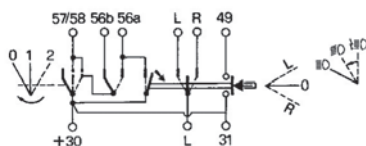
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A		18A	3A
	6,5A	4,5A	 I	8A	5A
	7A	5A	 II	9A	6A
	5A	3A	 III	9A	6A
	7A	5A			
	5A	3A			

096

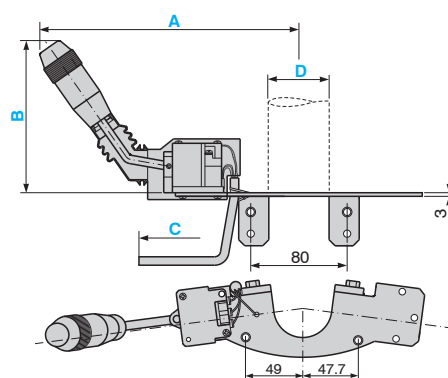
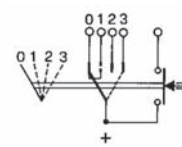
[illegible]

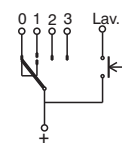
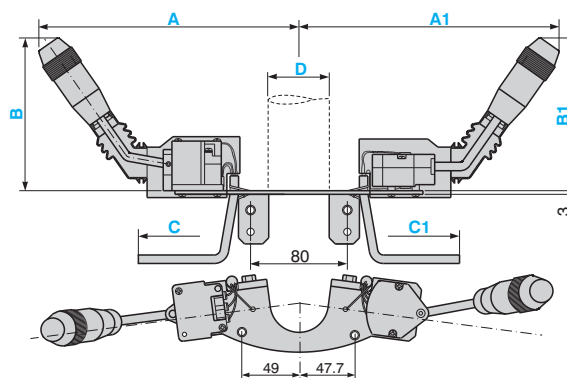
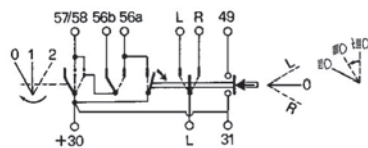


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0857.0000	215	126		01.0857.0500		Ø 50					

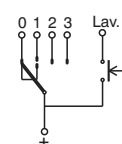
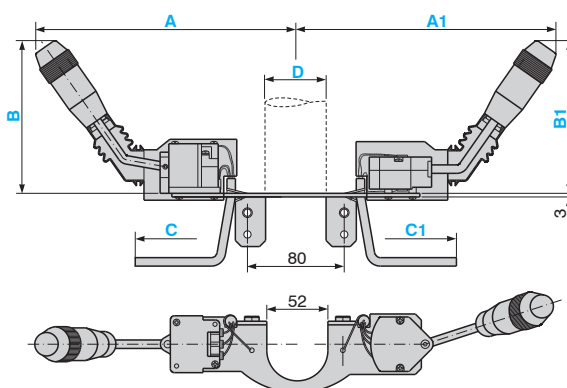
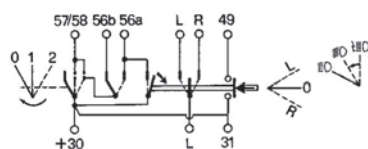


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.308.000	215	128		01.276.500		Ø 50					

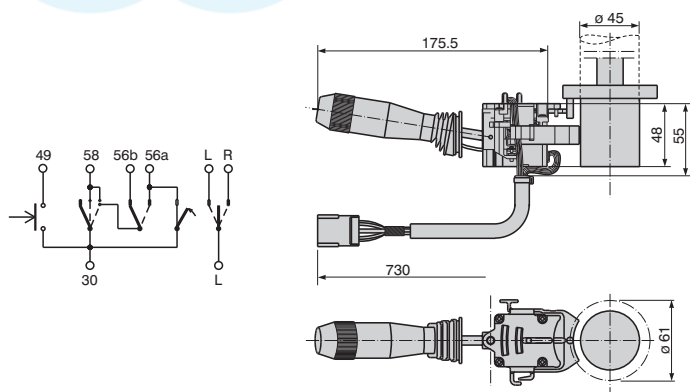
[illegible][illegible]



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.276.000	215	128		01.276.500		Ø 50		210	128		01.276.600

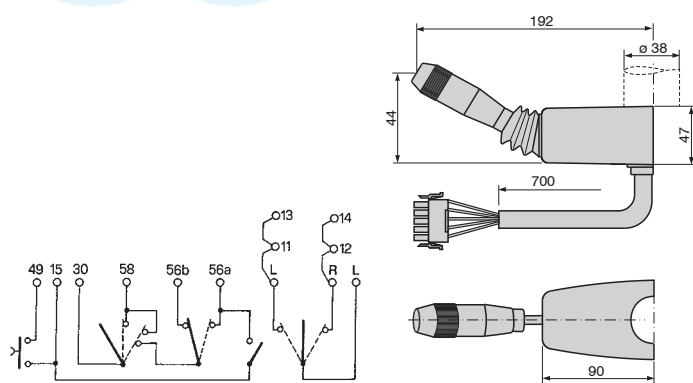


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0654.0000	215	128		01.276.500		Ø 50		210	128		01.276.600



P/N	FUNZIONI - FUNCTIONS
01.0960.0000	

P/N	FUNZIONI - FUNCTIONS



P/N	FUNZIONI - FUNCTIONS
01.1115.0000	

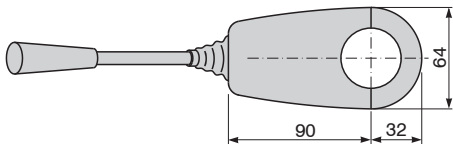
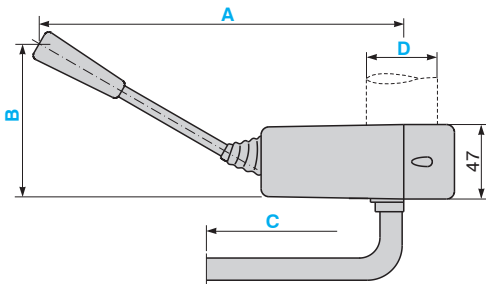
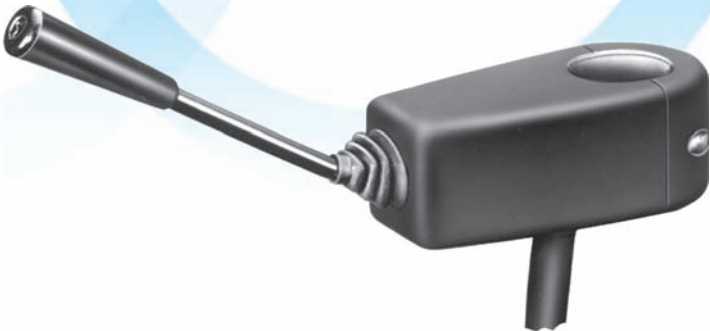
P/N	FUNZIONI - FUNCTIONS

• **Serie 180** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI

- Leva:** Metallica verniciata nera
- Pomello leva:** Poliammide
- Cuffia:** Gomma neoprene nera
- Contenitore di protezione:** Lega di alluminio verniciata nera
- Cavo di collegamento:** Disponibile con diversi tipi di connessione
- Montaggio:** Applicabile a piantoni di diverso diametro

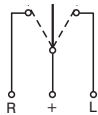
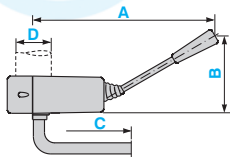
• **Series 180** steering column mounting
LIGHT CONTROL SWITCH

- Lever:** Metallic with black varnishing
- Knob lever:** Polyamide
- Cap:** Black neoprene rubber
- Protection container:** Black aluminium alloy
- Connection cable:** Available with different kinds of connections
- Setting:** Designed for steering columns of different diameters



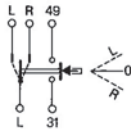
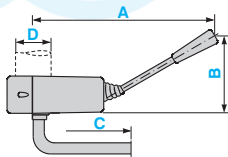
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	5A	3A
	7A	5A
	5A	3A

162



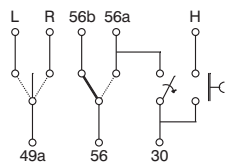
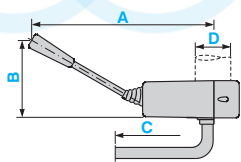
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0641.0000	210	85				Ø 38

024



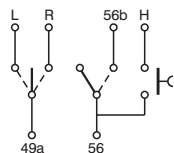
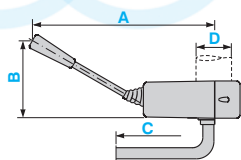
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0787.0000	210	80				Ø 45

262



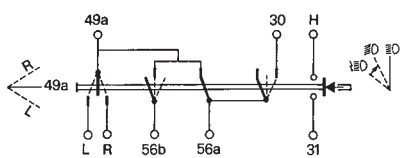
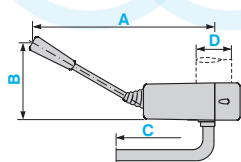
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.0896.0000	230	75			Ø 38

161



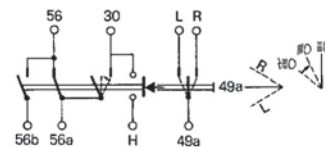
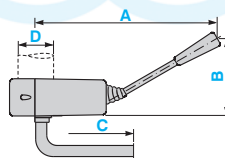
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.0643.0000	230	98			Ø 38

039



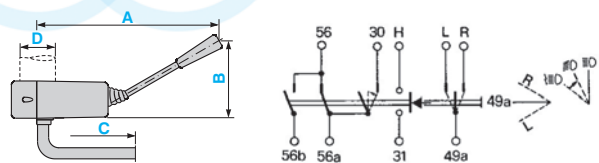
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.267.000	230	58			Ø 45

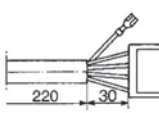
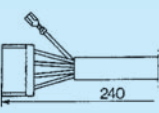
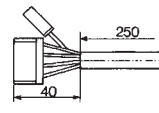
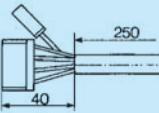
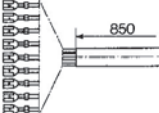
031



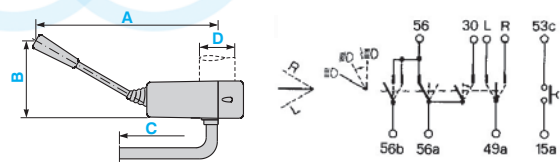
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.183.000	243	55			Ø 45
01.295.000	207	51			Ø 45
01.380.000	243	88			Ø 45
01.187.000	243	87			Ø 45
01.214.000	195	67			Ø 45
01.522.000	195	85			Ø 45
01.268.000	195	67			Ø 38
01.0594.0000	195	67			Ø 38
01.0613.0000	195	65			Ø 45
01.0788.0000	195	67			Ø 38

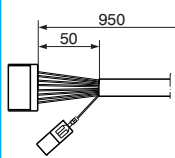
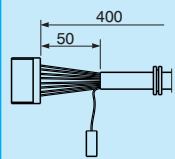
037



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.185.000	230	96				Ø 45
01.179.000	237	50				Ø 38
01.189.000	230	96				Ø 45
01.181.000	230	98				Ø 38
01.186.000	230	98				Ø 38

071



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0808.0000	230	71				Ø 38
01.0803.0000	230	98				Ø 38

• Serie 180 *fissaggio a piantone sterzo* INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva: Metallica verniciata nera

Pomello leva: Poliammide

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Montaggio: Applicabile a piantoni di diverso diametro

• Series 180 *steering column mounting* FORWARD-REVERSE-SLOW-FAST SHIFTER

Lever: Metallic with black varnishing

Lever knob: Polyamide

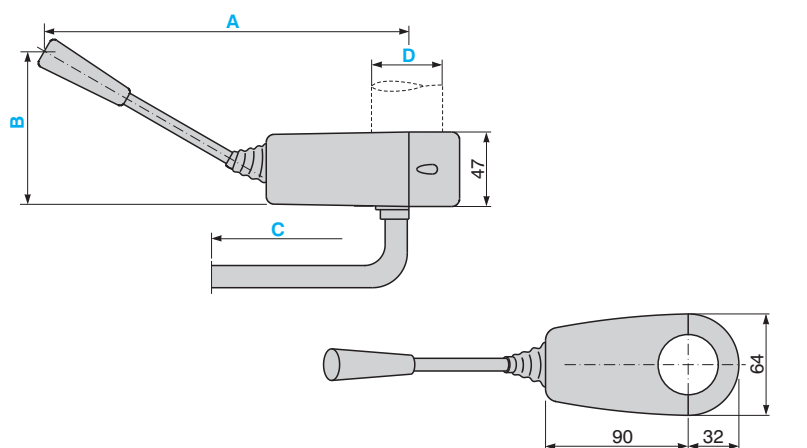
Cap: Black neoprene rubber

Protection container: Black aluminium alloy

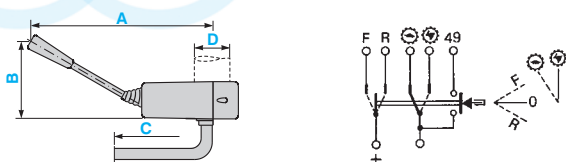
Connection cable: Available with different kinds of connection

Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
F	8A	5A
R	8A	5A
	8A	5A
	8A	5A

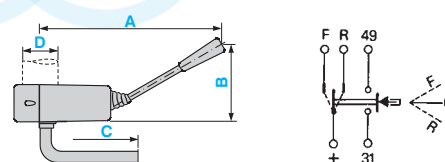


030



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.191.000	243	88			FR	Ø 38
01.1048.0000 DIFFERISCE DA 01.191.000 PER POSIZIONE COLLEGAMENTI CONNETTORE. IT DIFFERS FROM 01.191.000 IN THE CONNECTORS POSITION	243	88			FR	Ø 38
01.182.000	243	88			FR	Ø 45

038



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.194.000	210	80			FR	Ø 45
01.207.000	210	85			FR	Ø 38

- **Serie 134** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI

Leva: Metallica verniciata nera

Pomello leva: Poliammide

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide nero

Cavo di collegamento: Disponibile con diversi tipi di connessione

Montaggio: Applicabile a piantoni di diverso diametro

Accensione luci: Disponibili versioni con leva

supplementare accensione luci

• **Series 134** steering column mounting
LIGHT CONTROL SWITCH

Lever: *Metallic with black varnishing*

Lever knob: Polyamide

Cap: Black neoprene rubber

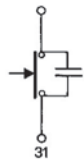
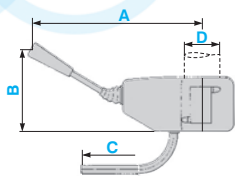
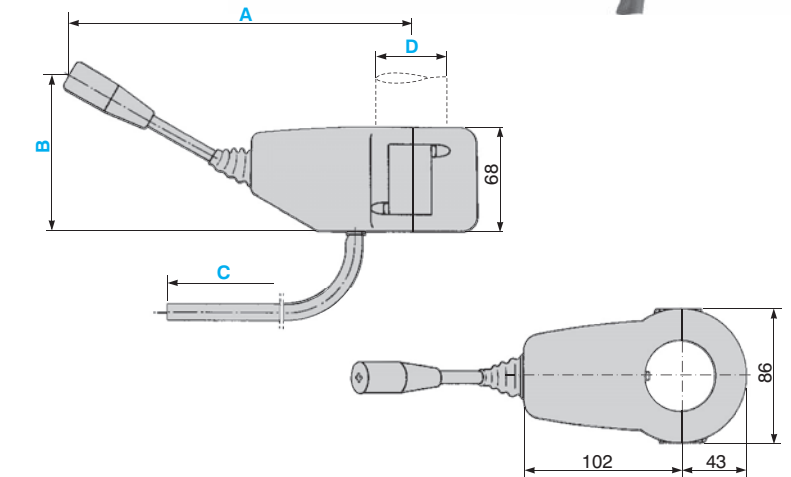
Protection container: Black polyamide

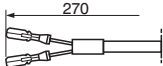
Connection cable: Available with different kinds of connections

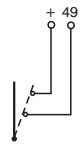
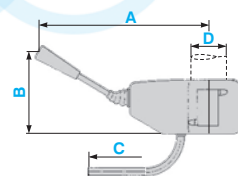
Setting: Designed for steering columns of different diameters

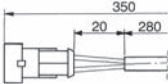
Lights ignition: Versions with additional lights ignition lever available

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A
	3A	2A



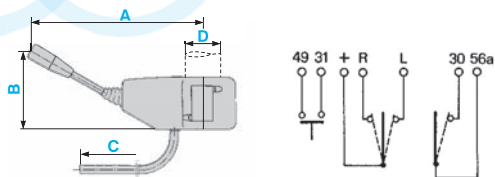
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.565.000	210	90				Ø 45



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.577.000	210	85				Ø 45

035

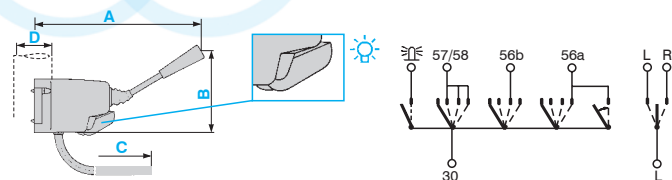
TYPE B



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.263.000	210	90				Ø 50

184

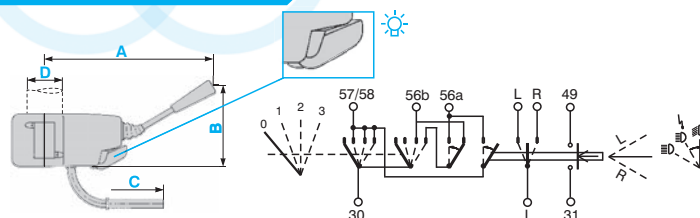
TYPE A



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1056.0000	210	85				Ø 45

198

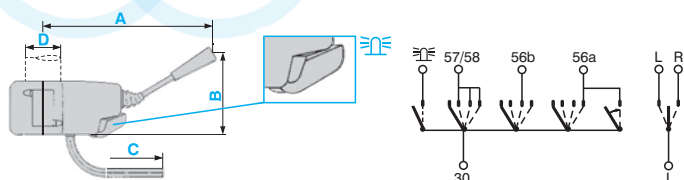
TYPE A



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.154.000	205	46				Ø 38

184

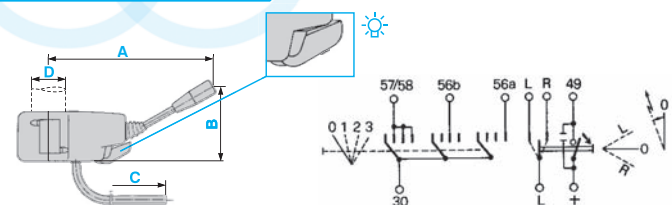
TYPE A



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.528.000	210	85				Ø 45
01.150.000	210	85				Ø 45
01.0588.0000	210	85				Ø 45

027

TYPE B

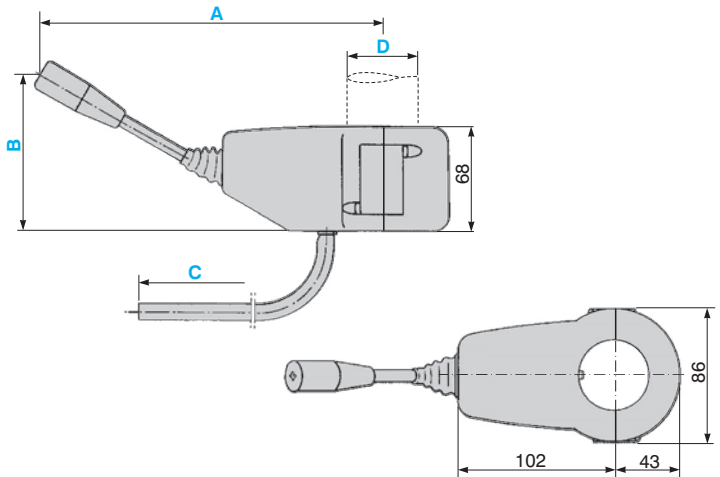


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.205.000	210	96				Ø 45

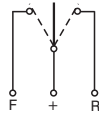
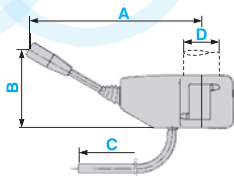
- Serie 203** fissaggio a piantone sterzo
INVERSORE MARCIA AVANTI-INDIETRO-LENTA-VELOCE
Leva: Metallica verniciata nera
Pomello leva: Poliammide
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide nero
Cavo di collegamento: Disponibile con diversi tipi di connessione
Montaggio: Applicabile a piantoni con diversi tipi di diametro

- Series 203** steering column mounting
FORWARD-REVERSE-SLOW-FAST SHIFTER
Lever: Metallic with black varnishing
Lever knob: Polyamide
Cap: Black neoprene rubber
Protection container: Black polyamide
Connection cable: Available with different kinds of connection
Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
F	8A	5A
R	8A	5A
	8A	5A
	8A	5A
	10A	6A

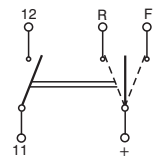
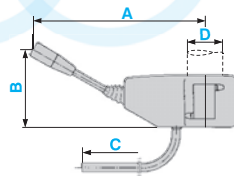


169



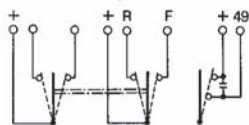
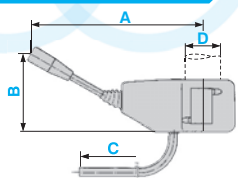
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.580.000	210	90			F R	Ø 45
01.568.000	210	90			F R	Ø 45

183



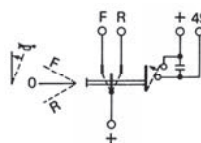
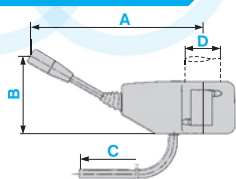
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.569.000	210	90			F R	Ø 45

021



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.299.000	220	102			FR	Ø 38
01.223.000	220	102			FR	Ø 45

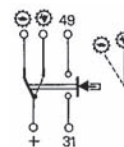
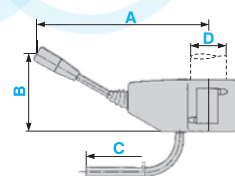
011



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.204.000	220	102			FR	Ø 45
01.278.000	220	102			FR	Ø 45
01.226.000	220	102			FR	Ø 45
01.232.000	220	102			FR	Ø 45
01.236.000	220	102			FR	Ø 45

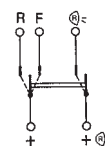
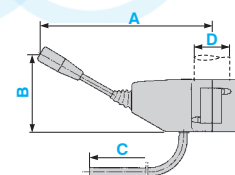
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.554.000	220	102			FR	Ø 38
01.0925.0000	220	102			FR	Ø 38

004



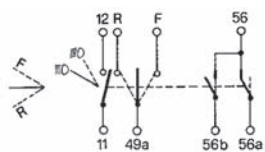
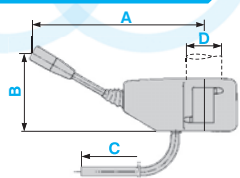
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.203.000	210	90			FR	Ø 45

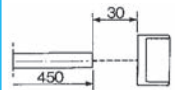
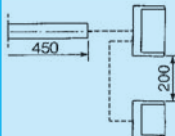
149



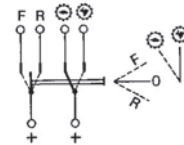
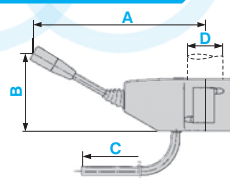
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.527.000	210	90			FR	Ø 45
01.563.000	210	90			FR	Ø 45

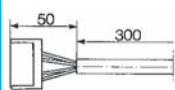
034



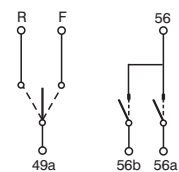
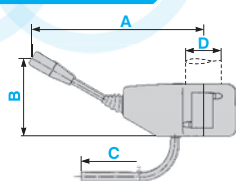
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.297.000	210	90				Ø 45
01.0612.0000	210	90				Ø 45

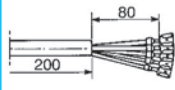
003



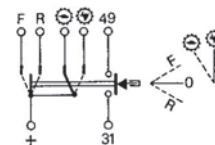
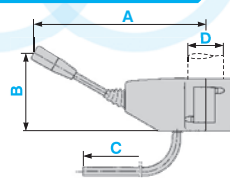
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.243.000	239	90				Ø 38

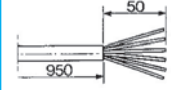
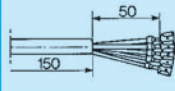
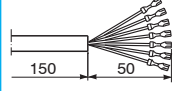
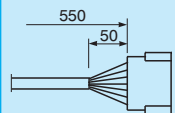
160



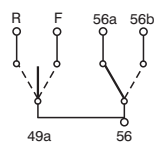
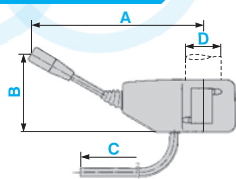
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.566.000	210	90				Ø 45

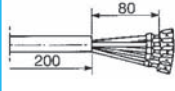
010



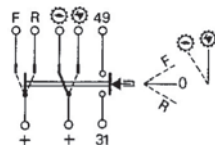
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.230.000	210	90				Ø 45
01.220.000	210	90				Ø 38
01.202.000	210	90				Ø 45
01.1044.0000	210	90				Ø 45

159



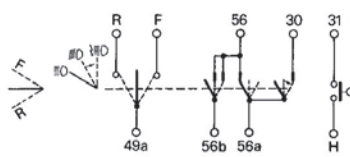
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.567.000	210	90				Ø 45

A technical diagram of a cable assembly. Dimension A is the total length of the cable. Dimension B is the length of the braided shield section. Dimension C is the length of the inner conductor section. Dimension D is the diameter of the cable.



P/N	A	B	C	 FUNZIONI FUNCTIONS	D

A diagram of a cable with four dimensions labeled: A (total length), B (length of the braided section), C (length of the inner insulation), and D (length of the outer jacket).



• Serie 281 fissaggio a piantone sterzo DEVIAGUIDA COMANDO LUCI + INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva: Metallica verniciata nera

Pomello leva: Poliammide

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide nero

Cavo di collegamento: Disponibile con diversi tipi di connessione

Montaggio: Applicabile a piantoni di diverso diametro



• Series 281 steering column mounting LIGHT CONTROL SWITCH + FORWARD-REVERSE-SLOW-FAST SHIFTER

Lever: Metallic with black varnishing

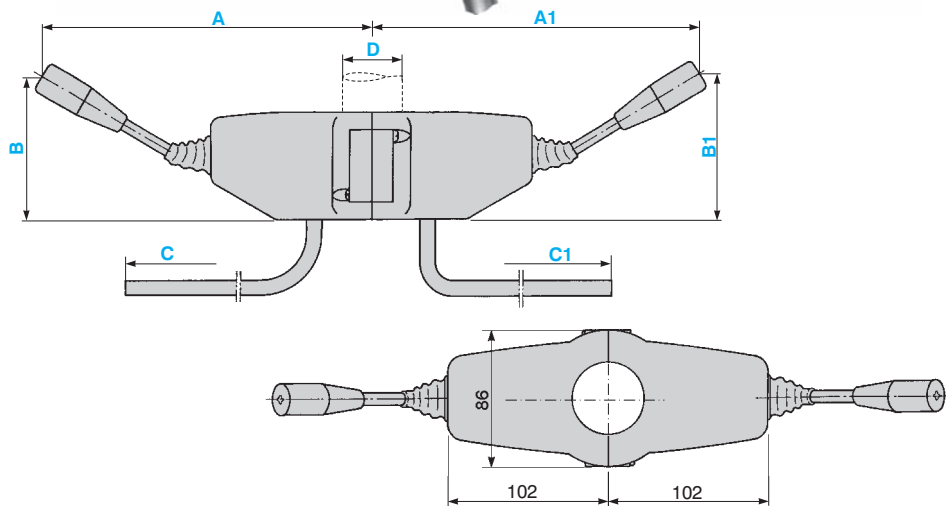
Lever knob: Polyamide

Cap: Black neoprene rubber

Protection container: Black polyamide

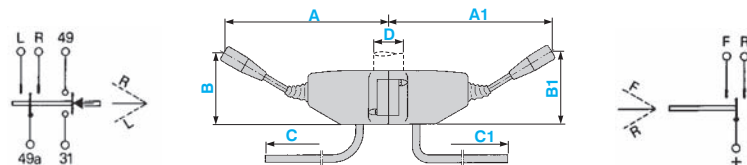
Connection cable: Available with different kinds of connection

Setting: Designed for steering columns of different diameters



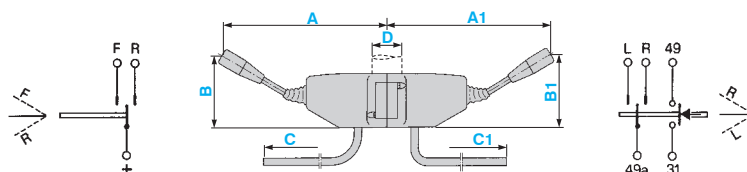
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A	F	8A	5A
	6,5A	4,5A	R	8A	5A
	7A	5A		8A	5A
	7A	7A		8A	5A

029



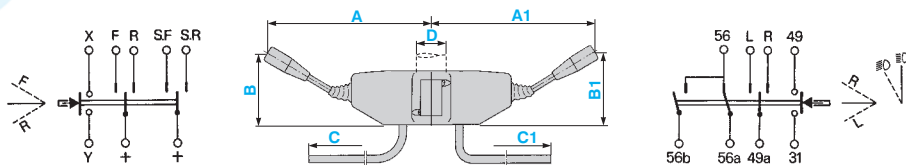
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.281.000	205	116		01.281.500		Ø 38	F R	205	116		01.281.600

109



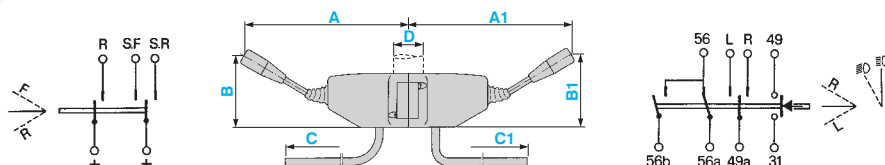
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.387.000	205	116		01.387.500	F R	Ø 38		205	116		01.387.600

036



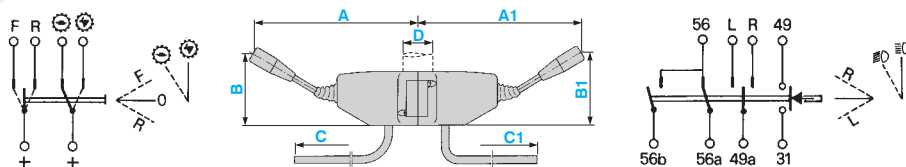
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.280.000	220	103		01.280.500	F R	Ø 38		210	89		01.280.600

111



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.411.000	225	103		01.411.600	F R	Ø 38		210	89		01.411.500

028



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.233.000	210	90		01.233.500	F R	Ø 38		210	90		01.233.600
01.242.000	239	90		01.242.500	F R	Ø 40		210	90		01.242.600

- **Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI
Accensione luci interne-esterne: Ruotando pomello leva
Leva interna: Metallica
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide
Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 190 steering column mounting LIGHT CONTROL SWITCH

Interior-exterior lights ignition: Turning lever knob

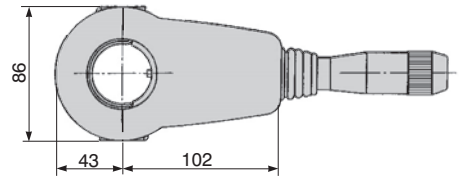
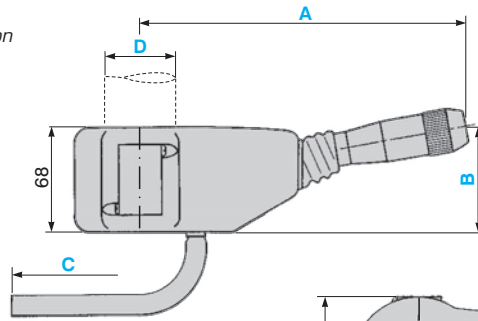
Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cable: Black neoprene rubber

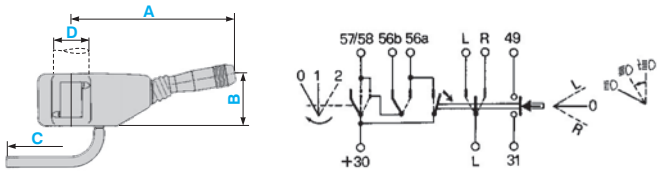
Protection container: Polyamide

Connection cable: Available with different kinds of connection



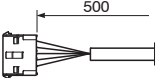
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A

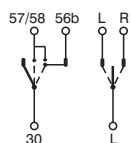
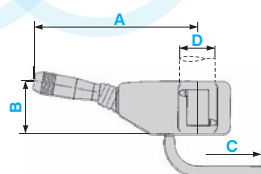
013



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.401.000	210	42				Ø 45
01.234.000	210	42				Ø 38
01.302.000	210	42				Ø 45
01.429.000	210	42				Ø 45

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0923.0000	210	42				Ø 38
01.405.000	210	42				Ø 38
01.0926.0000 DIFFERISCE DAL 01.405.000 PER ORIENTAMENTO SERIGRAFIA IT DIFFERS FROM 01.405.000 IN ICONS ORIENTATION	210	42				Ø 38
01.1118.0000	210	42				Ø 38
01.0967.0000	210	42				Ø 38
01.1058.0000	210	70				Ø 38

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1059.0000	210	42			      	Ø 38



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0602.0000	210	42				Ø 45
01.0638.0000	210	42				Ø 45

[illegible]

• **Serie 203** fissaggio a piantone sterzo
INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici: Frontali in aria

Funzione disponibile su alcuni modelli: Accensione luce

di retromarcia con back up alarm



• **Series 203** steering column mounting
FORWARD-REVERSE-SLOW-FAST SHIFTER

Interior lever: *Metallic*

Lever knob: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

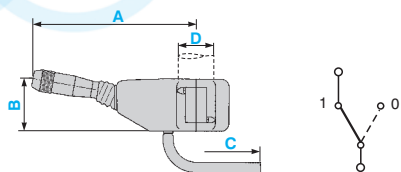
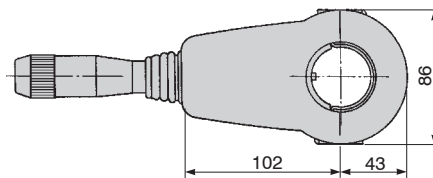
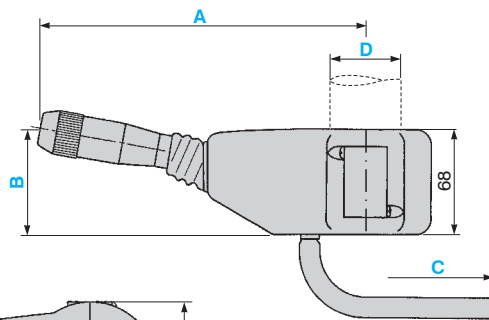
Connection cable: Available with different kinds of connection

Electrical contacts: *Butt contacts*

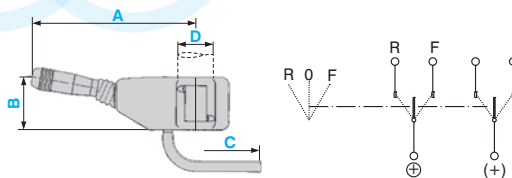
Function available only for some models: Reversing light

with back up alarm ignition

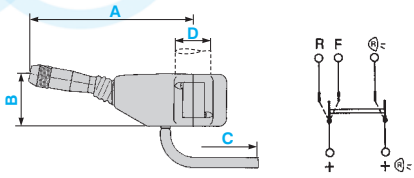
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	8A	5A
R	8A	5A
	8A	5A
	8A	5A
	10A	6A

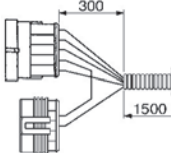
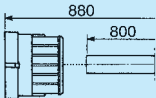
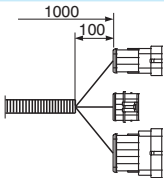


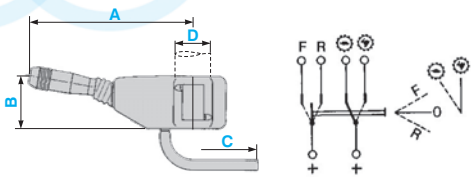
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0663.0000	210	70				Ø 45

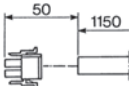


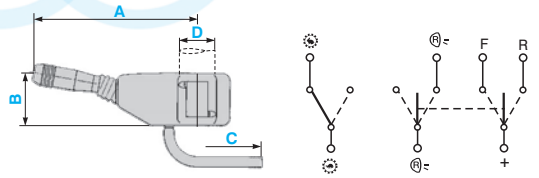
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0828.0000	210	70			F R	Ø 45
01.0867.0000	210	70			F R	Ø 45



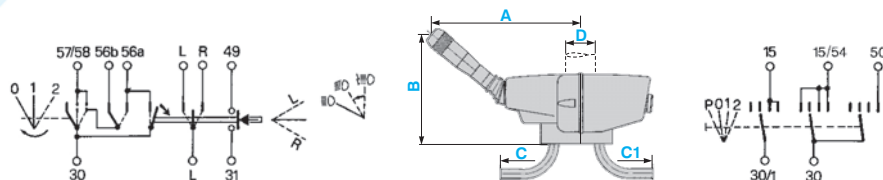
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0650.0000	210	70			FR $\text{\textcircled{R}}$ $\approx$	$\varnothing$ 45
01.0606.0000	210	70			FR $\text{\textcircled{R}}$ $\approx$	$\varnothing$ 45
01.0935.0000	210	70			FR $\text{\textcircled{R}}$ $\approx$	$\varnothing$ 45



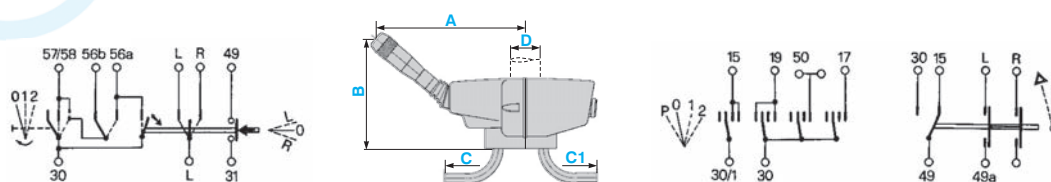
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.361.000	210	70			F R  	Ø 45

[illegible]

Connection cable: Available with different kinds of connection



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.376.000	215	218		01.376.500		Ø 38	 14.110.000				01.376.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.225.000	215	218		01.225.500		Ø 38	 14.115.000				01.209.600

• **Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI
+ COMMUTATORE AVVIAMENTO A CHIAVE

Leva interna: Metallica

Rivestimento leva: Poli

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• **Series 190** steering column mounting
LIGHT CONTROL SWITCH + DIMMER SWITCH

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

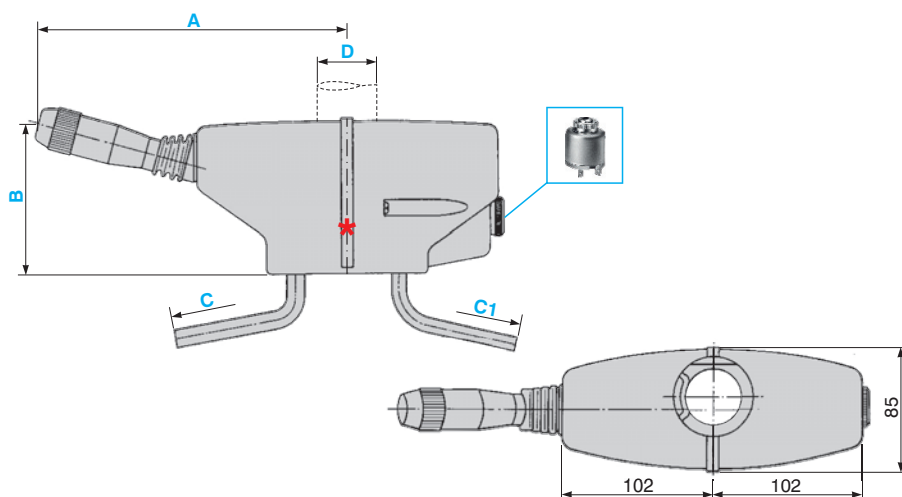
Cap: Black neoprene rubber

Protection container: Polyamide

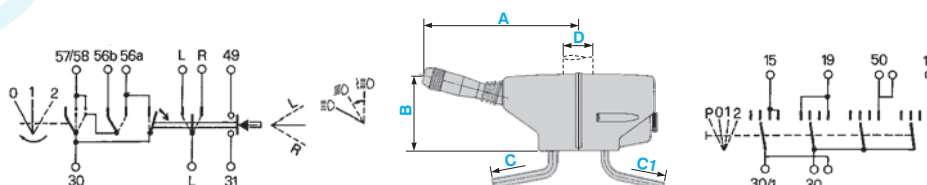
Connection cable: Available with different kinds of connection

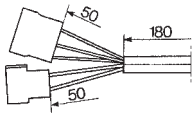
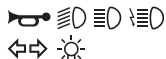
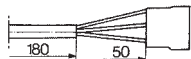
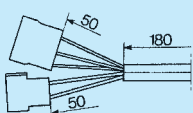


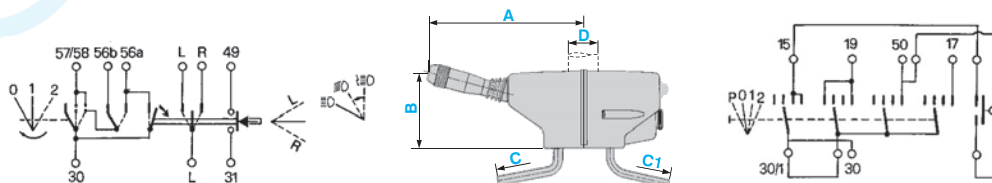
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A



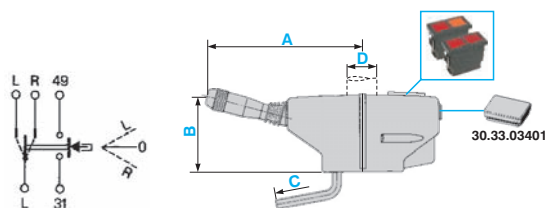
017



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.211.000	210	102		01.211.500		Ø 38	 14.176.000				01.211.600
01.216.000  FORO PER MONTAGGIO APPLICATION HOLE	210	102		01.215.500		Ø 38	 14.176.000				01.216.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.237.000	210	102		01.211.500		Ø 38	 14.176.000 17.130.000				01.237.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.217.000	210	102		01.217.500		Ø 38	 09.302.000 09.354.000				

- **Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI

+ **COMMUTATORE AVVIAMENTO A CHIAVE**

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione



• **Series 190** *steering column mounting*
LIGHT CONTROL SWITCH + DIMMER SWITCH

Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

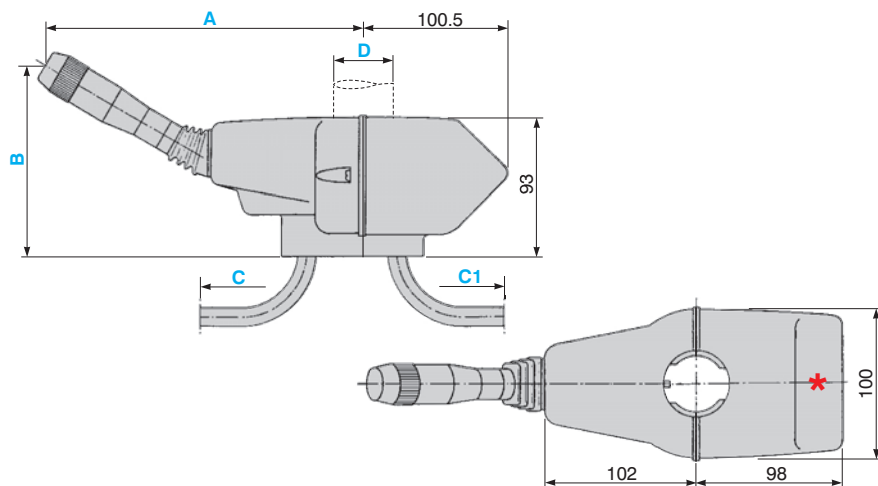
Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

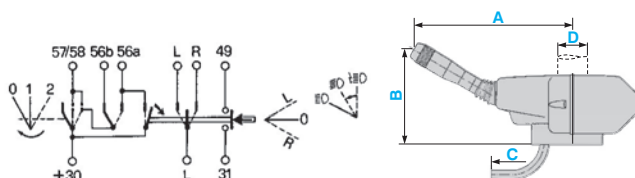
Protection container: Polyamide

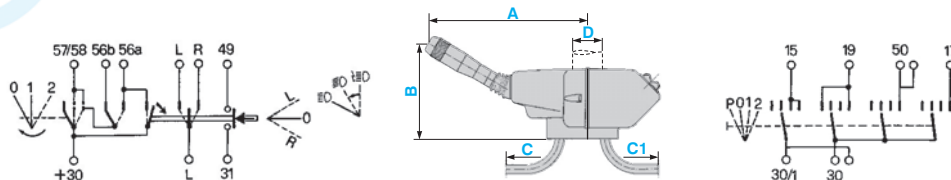
Connection cable: Available with different kinds of connection

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	5A	3A
	5A	3A
	8A	5A

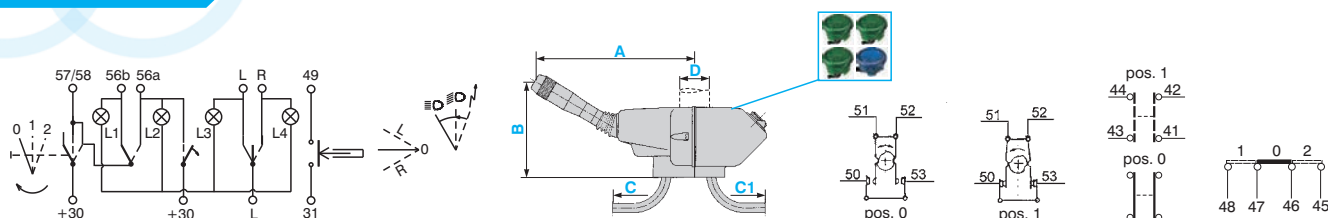


013

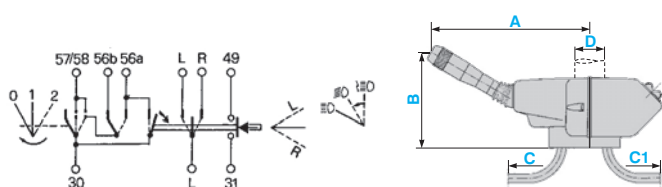
[illegible]



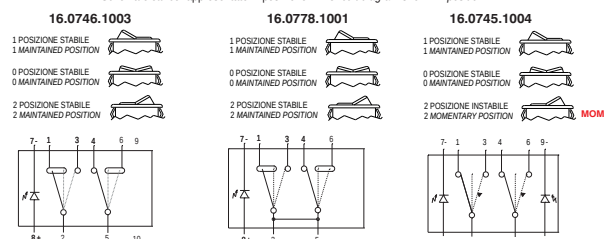
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.222.000 	215	118		01.212.500		Ø 38	 14.115.000 17.114.000 16.101.000				01.135.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0833.0000 	215	128		01.0833.0500		Ø 38	 14.0381.0000 13.209.000 16.0305.0000 09.180.142 09.180.143 09.180.144 09.180.145				01.0833.0600



Schema elettrico rappresentato in posizione 1 - Circuit diagram shown in position 1

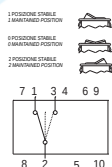


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1028.0000 	215	110		01.320.500		Ø 38	 16.0746.1003 16.0778.1001 17.0745.1004				

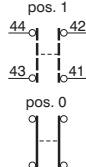
14.0197.0000

POS.	TERMINAL
0	30 INT
1	○ ○

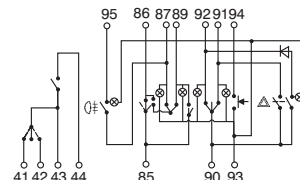
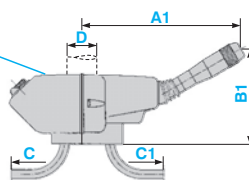
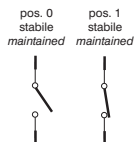
16.0735.0000



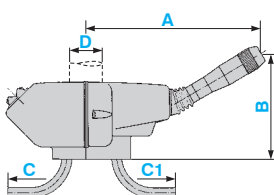
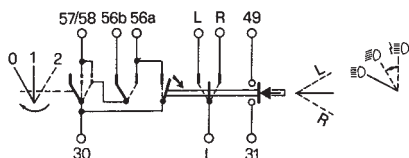
13.209.000



13.221.000

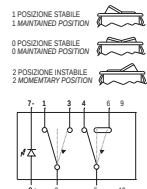


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0874.0000				01.0874.0600	 14.0197.0000 16.0735.0000 13.209.000 13.221.000 09.180.142 09.180.143 09.180.145 09.180.152 09.180.153 09.180.154	Ø 38		215	128		01.0874.0500

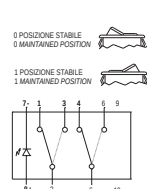


Schema elettrico rappresentato in posizione 1 - Circuit diagram shown in position 1

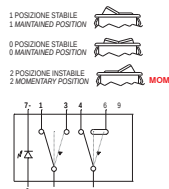
16.0774.1005



16.0701.1024



16.0774.1006



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1114.0000					 16.0774.1005 16.0701.1024 16.0774.1006	Ø 38		215	110		01.1114.0500

- Serie 190** fissaggio a piantone sterzo
 DEVIAGUIDA COMANDO LUCI + COMANDO TERGICRISTALLO
 + COMMUTATORE AVVIAMENTO A CHIAVE

Leva interna: Metallica

Cuffia: Gomma neoprene nera

Cavo di collegamento: Disponibile con diversi tipi di connessione



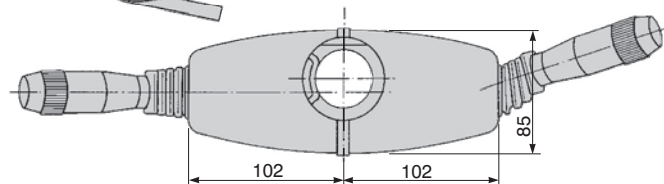
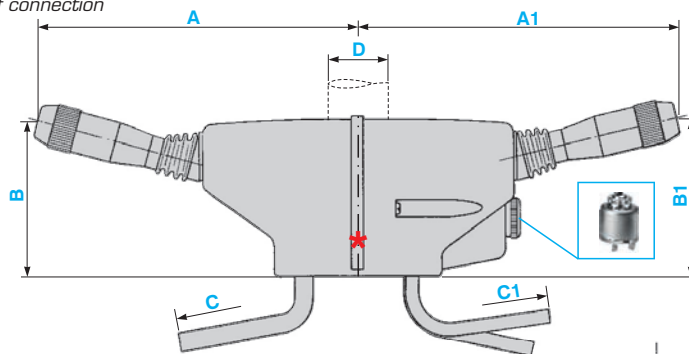
- **Series 190** *steering column mounting*
LIGHT CONTROL SWITCH + WINDSHIELD WIPER
+ KEY IGNITION SWITCH

Interior lever: *Metallic*

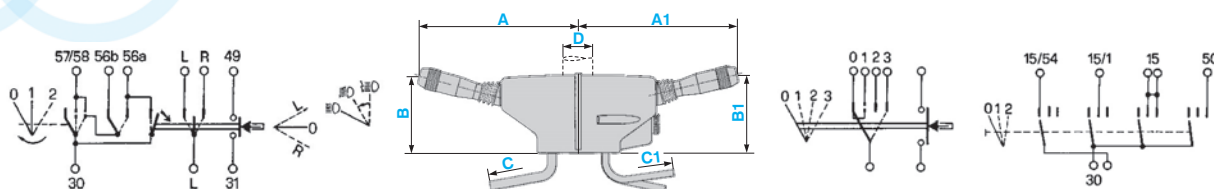
Cap: Black neoprene rubber

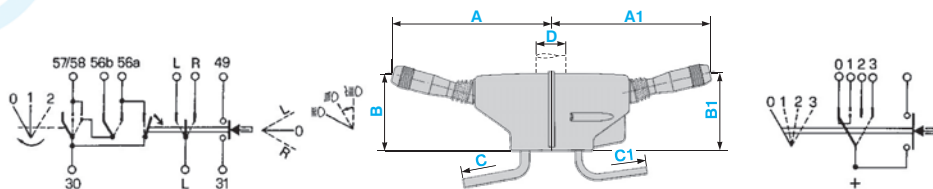
Connection cable: Available with different kinds of connection

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A
	5A	3A
	8A	5A
	9A	6A
	9A	6A

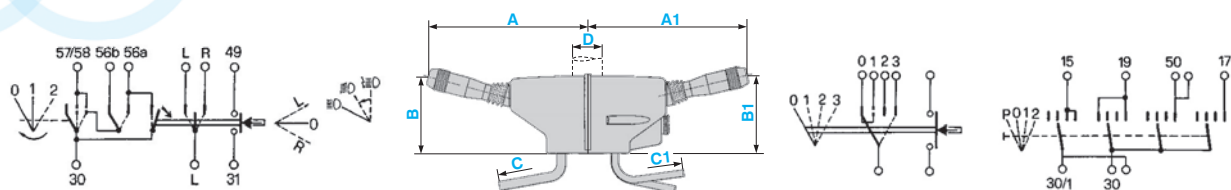


112

[illegible]



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.235.000	253	156		01.235.500		Ø 45		260	156		01.235.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.539.000	210	102		01.539.500		Ø 38	 	210	102		01.539.600
01.215.000 FORO PER MONTAGGIO APPLICATION HOLE	210	102		01.215.500		Ø 38	 	210	102		01.215.600
01.540.000 FORO PER MONTAGGIO APPLICATION HOLE	210	102	CONNETTORE - CONNECTOR AMP 174930-1 	01.540.500		Ø 38	 	210	102	CONNETTORE - CONNECTOR AMP 174930-7 	01.540.600
01.210.000	210	102		01.210.500		Ø 38	 	210	102		01.210.600
01.0827.0000	210	102	CONNETTORE - CONNECTOR AMP 174930-4 	01.0827.0500		Ø 38	 	210	102	CONNETTORE - CONNECTOR AMP 174930-7 	01.0827.0600

- Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI + INVERSO

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• **Series 190** *steering column mounting*
LIGHT CONTROL SWITCH + FORWARD-REVERSE SHIFTER

Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

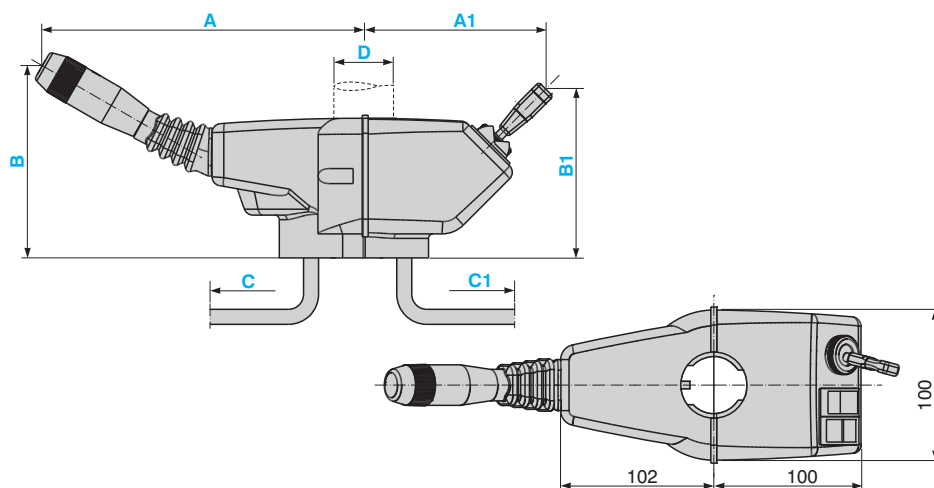
Cap: *Black neoprene rubber*

Protection container: Polyamide

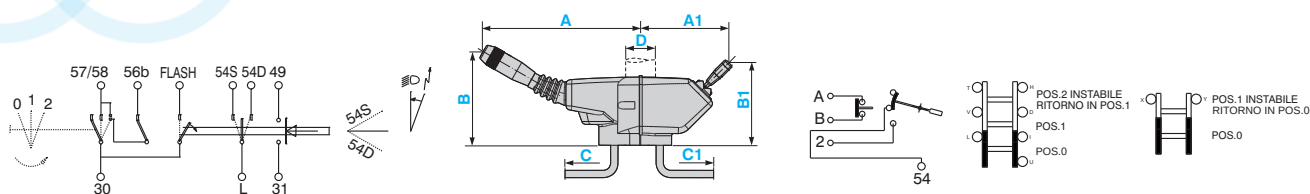
Connection cable: Available with different kinds of connection



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A	F	8,5A	5A
	6,5A	4,5A	R	8,5A	5A
	7A	5A		8,5A	5A
	7A	5A			
	7A	5A			
	5A	3A			



290

[illegible]

• Serie 190 fissaggio a piantone sterzo DEVIAGUIDA COMANDO LUCI + MANIPOLATORE COMANDO BRACCIO ESCAVATORE

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 190 steering column mounting LIGHT CONTROL SWITCH + KEY SENDER CONTROL FOR EXCAVATOR

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

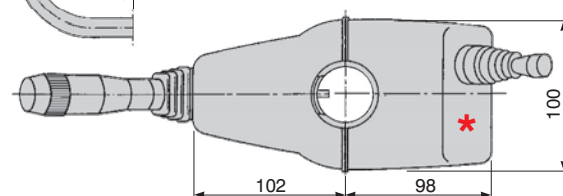
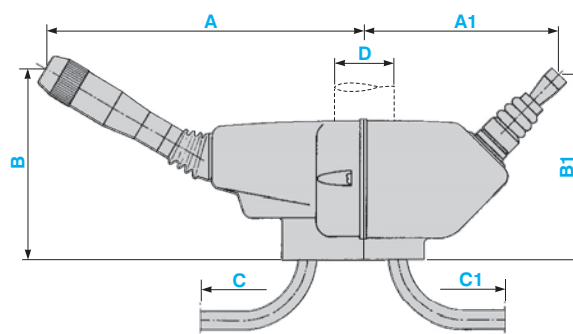
Protection container: Polyamide

Connection cable: Available with different kinds of connection

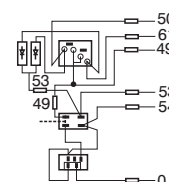
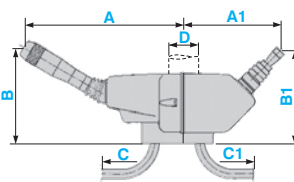
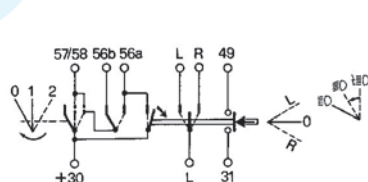


FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A

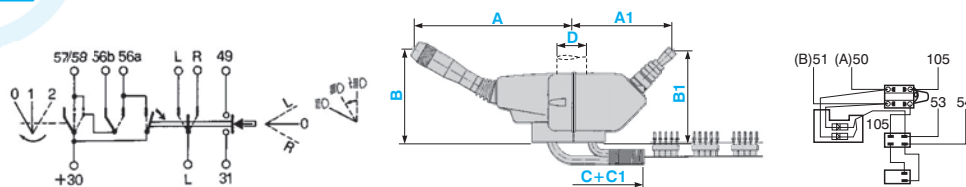
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	10A	10A



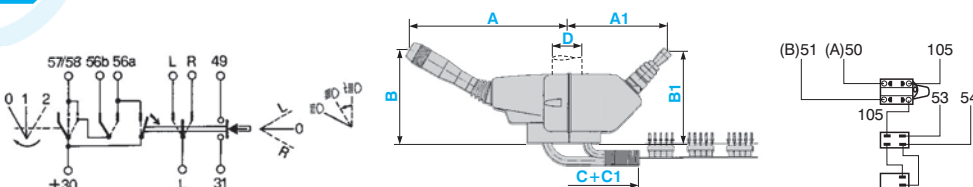
208



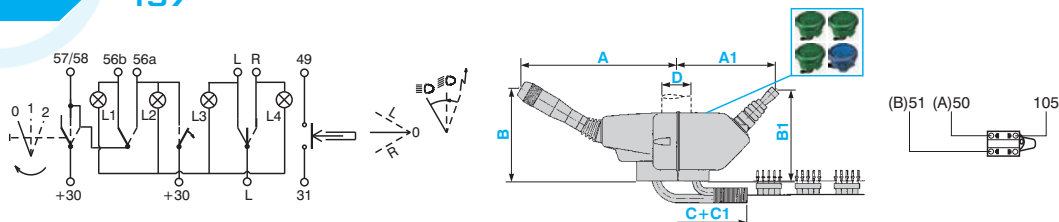
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.247.000 	215	110		01.247.500		Ø 38		133	109		01.228.600
01.396.000 	215	110		01.396.500		Ø 38		133	109		01.396.600
01.238.000 	215	110		01.238.500		Ø 38		133	109		01.177.600



P/N	A	B	C+C1	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C+C1	RICAMBIO SPARE PART
01.420.000 	215	110				Ø 38	 30.34.04527 16.172.000 13.308.000	133	109		



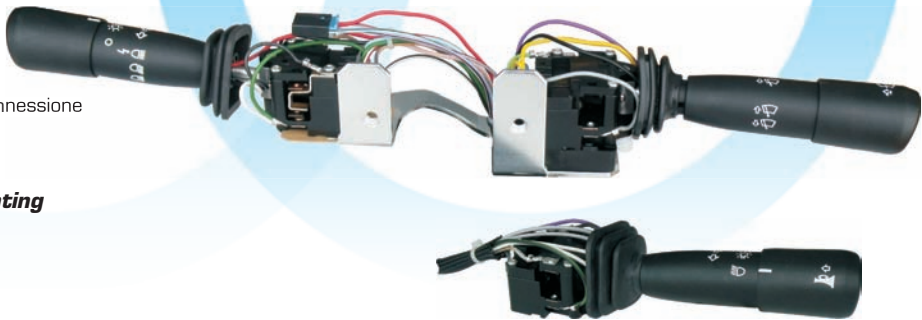
P/N	A	B	C+C1	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C+C1	RICAMBIO SPARE PART
01.541.000 	215	110				Ø 38	 30.34.04527 16.172.000 13.308.000	133	109		



P/N	A	B	C+C1	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C+C1	RICAMBIO SPARE PART
01.0630.0000 	215	110				Ø 38	 30.34.04527 09.180.118 09.180.119 09.180.121 09.180.120	133	109		

• **Serie 190** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI + COMANDO TERGICRISTALLO

Accensione luci interne-esterne: Ruotando pomello leva
Leva interna: Metallica
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide
Cavo di collegamento: Disponibile con diversi tipi di connessione
Contatti elettrici: Frontali in aria

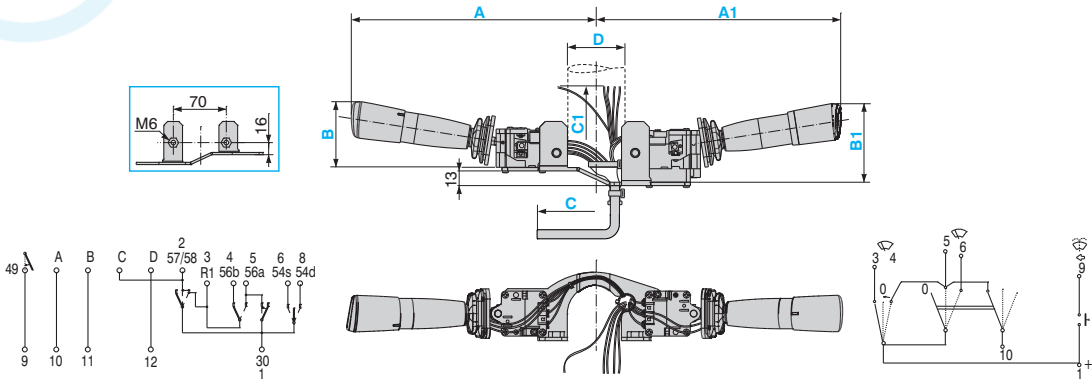


• **Series 190** steering column mounting
LIGHT CONTROL SWITCH + WINDSHIELD WIPER CONTROL

Interior-exterior lights ignition: Turning lever knob
Interior lever: Metallic
Lever covering: Polyamide + Function symbols
Cap: Black neoprene rubber
Protection container: Polyamide
Connection cable: Available with different kinds of connection
Electrical contacts: Butt contacts

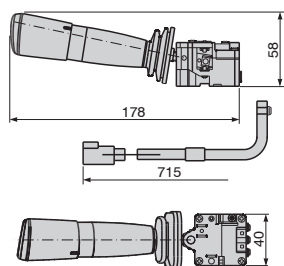
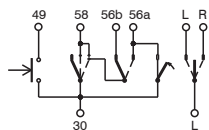
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A		5A	3A
	6,5A	4,5A		1,8A	1A
	7A	5A		8A	5A
	7A	5A		9A	6A
	7A	5A		9A	6A
				5A	3A
				8A	5A
				8A	5A

261



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0891.0000	217.5	58		01.0891.0500	 	Ø 48	 	217.5	70		01.0891.0600

151



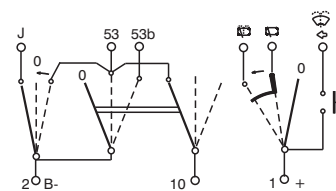
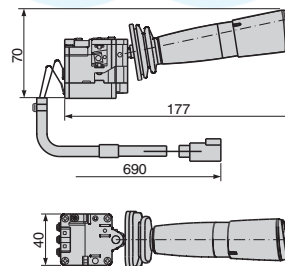
P/N

FUNZIONI - FUNCTIONS

01.0752.0500



166



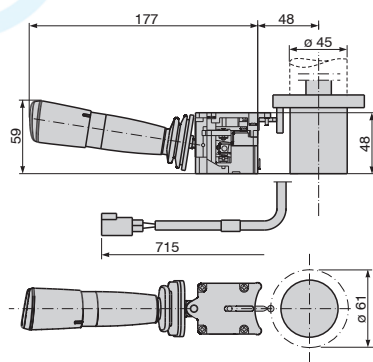
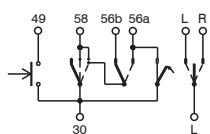
P/N

FUNZIONI - FUNCTIONS

01.0752.0600



151



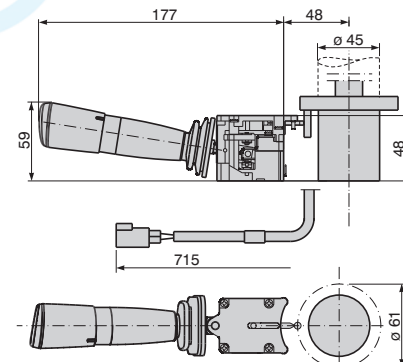
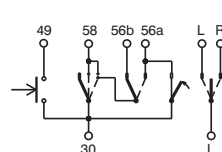
P/N

FUNZIONI - FUNCTIONS

01.0751.0000



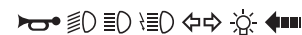
151

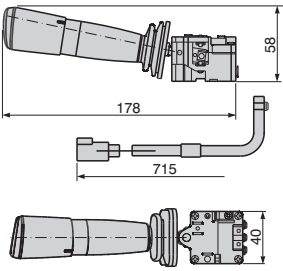
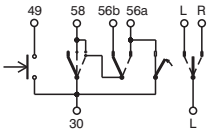


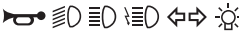
P/N

FUNZIONI - FUNCTIONS

01.0931.0000





P/N	FUNZIONI - <i>FUNCTIONS</i>
01.0930.0500	

P/N	FUNZIONI - <i>FUNCTIONS</i>

P/N	FUNZIONI - <i>FUNCTIONS</i>

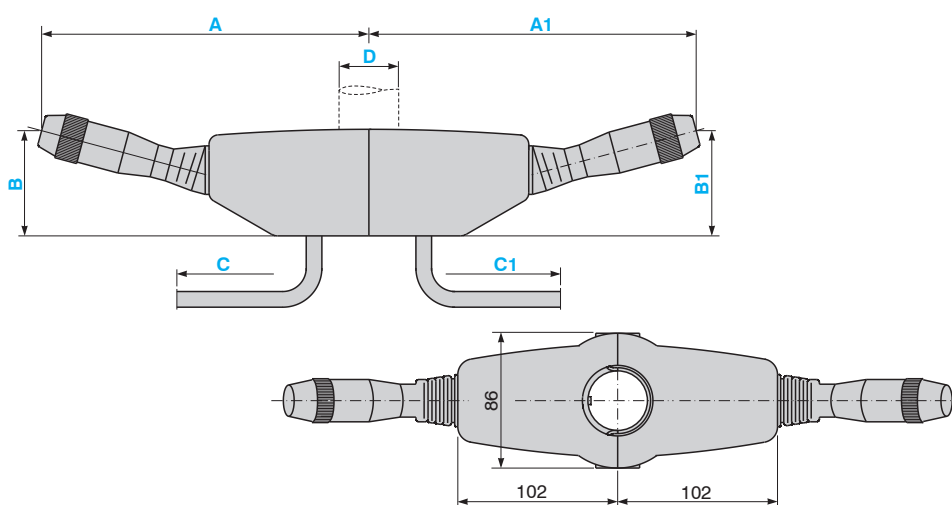
P/N	FUNZIONI - <i>FUNCTIONS</i>

Contatti elettrici: Frontali in aria

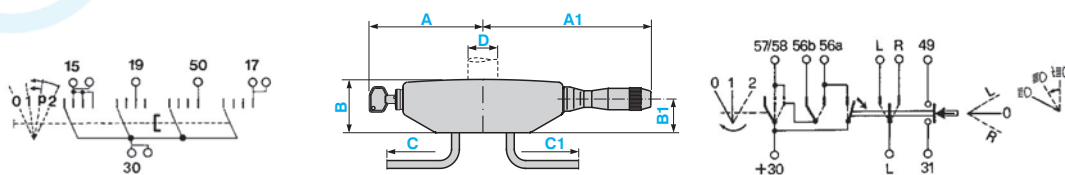


Electrical contacts: *Butt contacts*

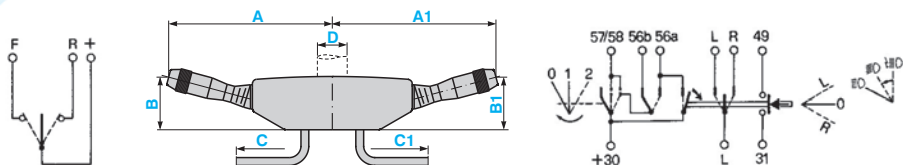
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A	F	8A	5A
	6,5A	4,5A	R	8A	5A
	7A	5A		8A	5A
	7A	5A		8A	5A
	7A	5A		3A	2A
	5A	3A			
	1,8A	1A			
	8A	5A			
	9A	6A			
	9A	6A			
	5A	3A			



243

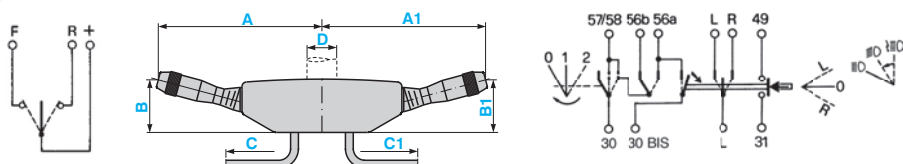
[illegible]

094



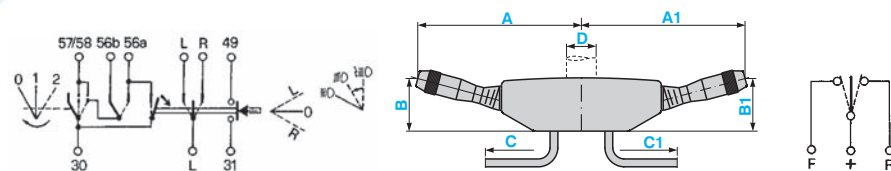
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.438.000	210	70		01.438.500	F R	Ø 45		210	70		01.438.600

210

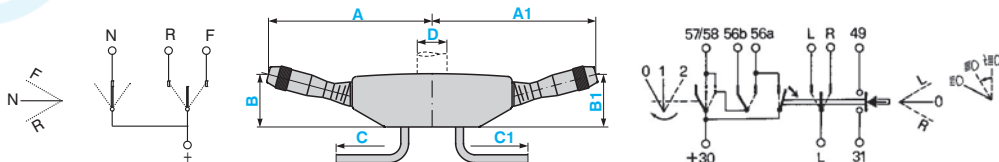


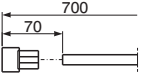
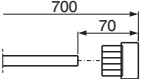
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.422.000	210	70		01.422.500	F R	Ø 45		210	70		01.422.600

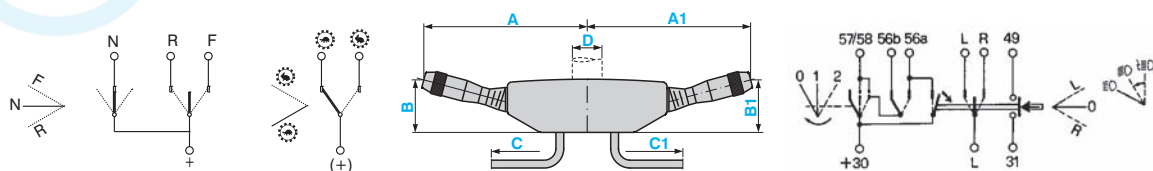
015

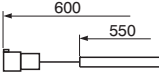
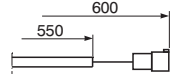


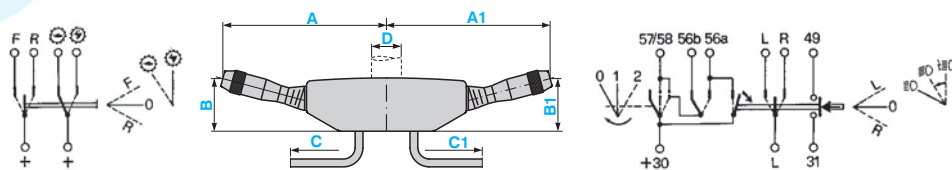
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.265.000	210	67		01.265.500		Ø 38	F R	210	67		01.265.600
01.298.000	210	67		01.298.500		Ø 40	F R	210	67		01.265.600

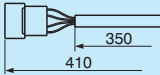
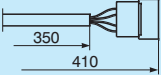
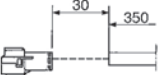
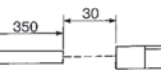
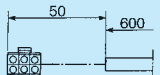
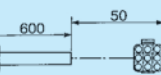
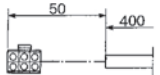
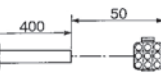
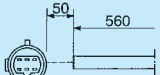
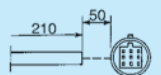
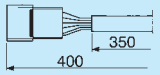
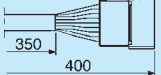
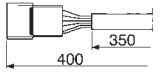
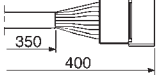


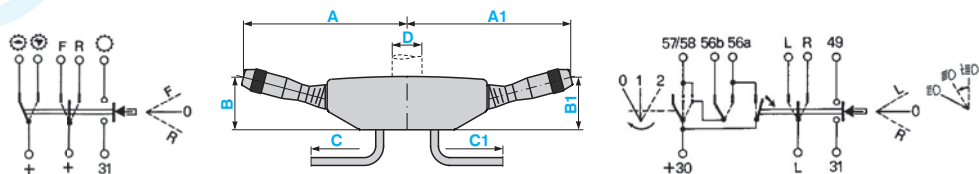
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0864.0000	210	70		01.0864.0500	F N R	Ø 38		210	70		01.0864.0600



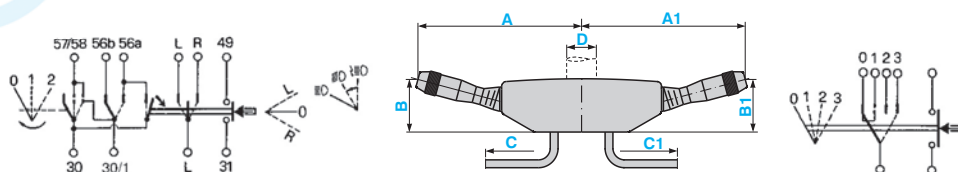
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0812.0000	210	70		01.0812.0500	F N R 	Ø 38		210	70		01.0812.0600

01694

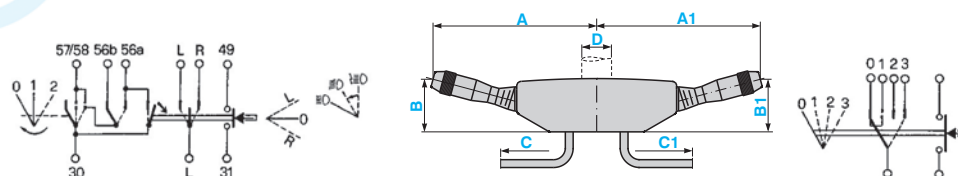
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0913.0000	210	70		01.0913.0500	FR 	Ø 45		210	70		01.0913.0600
01.428.000	210	70		01.428.500	FR 	Ø 45		210	70		01.428.600
01.506.000	210	70		01.506.500	FR 	Ø 45		210	70		01.506.600
01.406.000	210	70		01.406.500	FR 	Ø 38		210	70		01.406.600
01.421.000	210	70		01.421.500	FR 	Ø 45		210	70		01.421.600
01.413.000	214	110		01.413.500	FR 	Ø 45		210	70		01.388.600
01.1079.0000	210	70		01.1079.0500	FR 	Ø 38		210	70		01.1079.0600
01.1081.0000	210	70		01.1081.0500	FR 	Ø 45		210	70		01.1081.0600



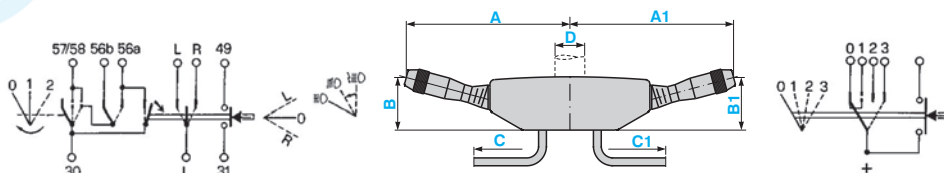
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.388.000	210	70		01.388.500	FR 	Ø 45		210	70		01.388.600



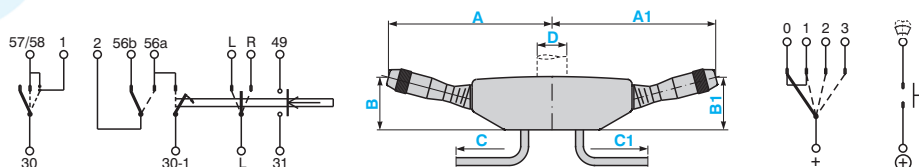
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.489.000	210	67		01.489.500		Ø 38		210	74		01.489.600



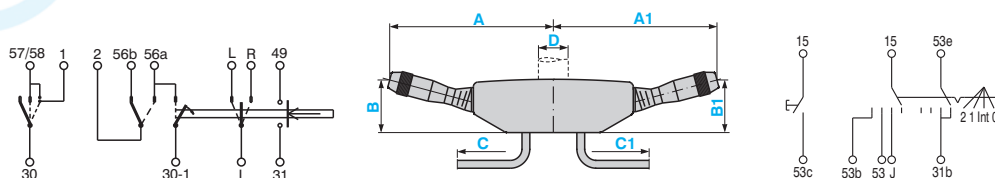
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.264.000	210	67		01.264.500		Ø 38		210	74		01.264.600
01.0786.0000	210	67		01.0786.0500		Ø 45		210	74		01.0786.0600



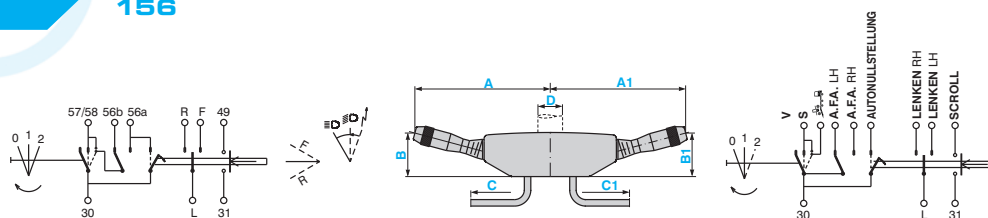
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0985.0000	210	67		01.0985.0500		Ø 38		210	74		01.0985.0600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.572.000	210	70		01.572.500		Ø 38		210	70		01.572.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1032.0000	210	70		01.572.500		Ø 38		210	70		01.1032.0600

[illegible]

• Serie 240 fissaggio a piantone sterzo DEVIAGUIDA COMANDO LUCI + COMANDO TERGICRISTALLO

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: ABS o poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Staffa di supporto: Acciaio zincato

Contenitore di protezione: Poliammide

Cavo di collegamento: Disponibile con diversi tipi di connessione

• Series 240 steering column mounting LIGHT CONTROL SWITCH + WINDSHIELD WIPER CONTROL

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

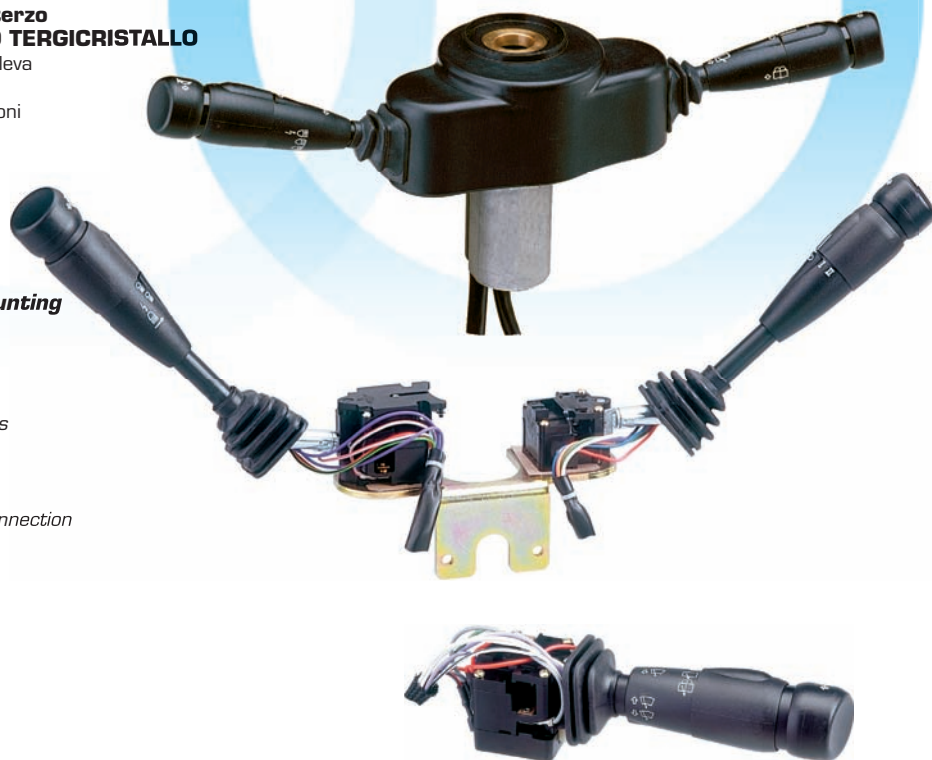
Lever covering: ABS or Polyamide + Function symbols

Cap: Black neoprene rubber

Rest bracket: Zinc-plated steel

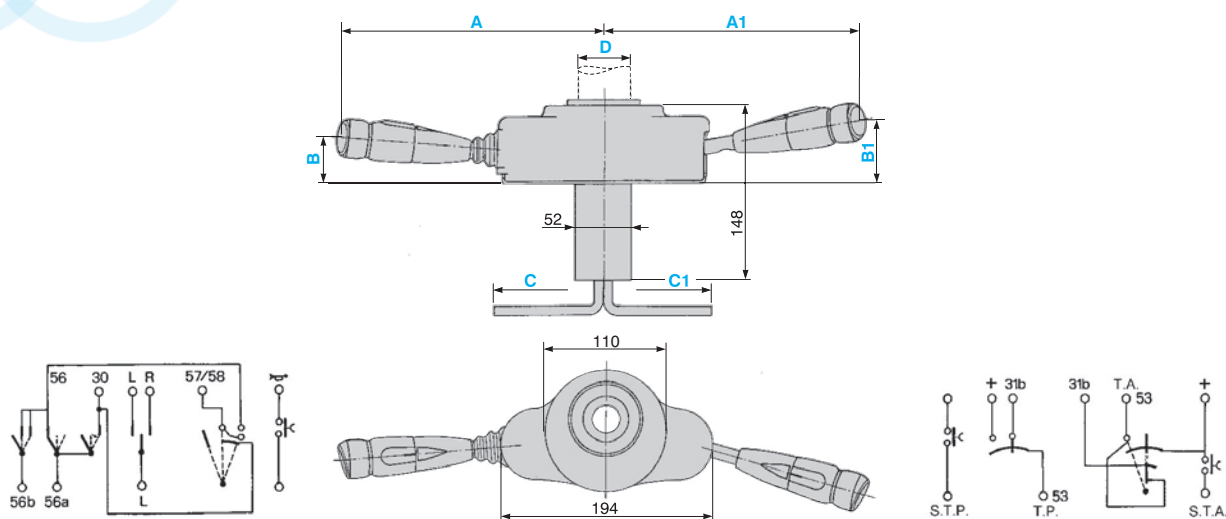
Protection container: Polyamide

Connection cable: Available with different kinds of connection

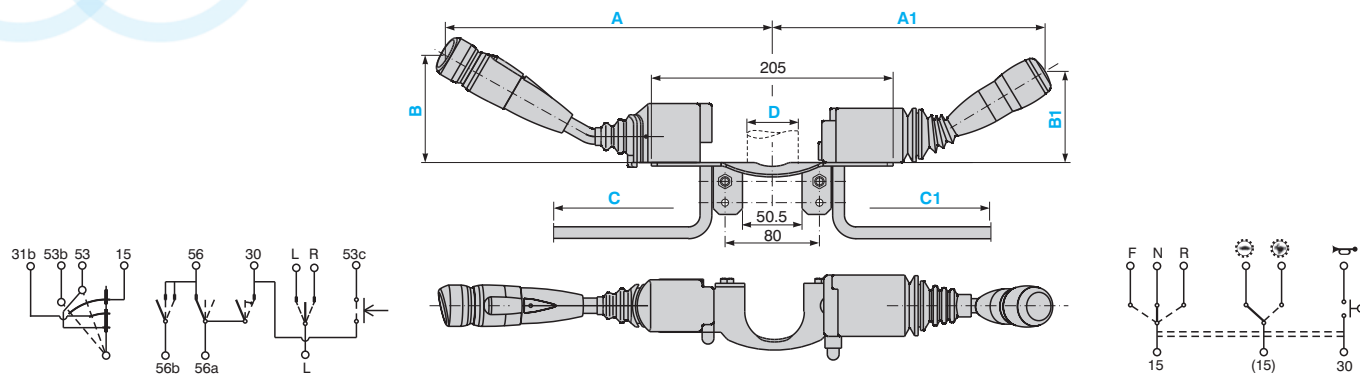


FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	2,5A	F	5A	2,5A
	7A	3,5A	N	5A	2,5A
	7A	3,5A	R	5A	2,5A
	7A	3,5A		5A	2,5A
	7A	3,5A		5A	2,5A
	5A	2,5A		7A	3,5A
	5A	2,5A		7A	3,5A
	5A	2,5A			
	5A	2,5A			
	5A	2,5A			
	5A	2,5A			
	5A	2,5A			
	5A	2,5A			

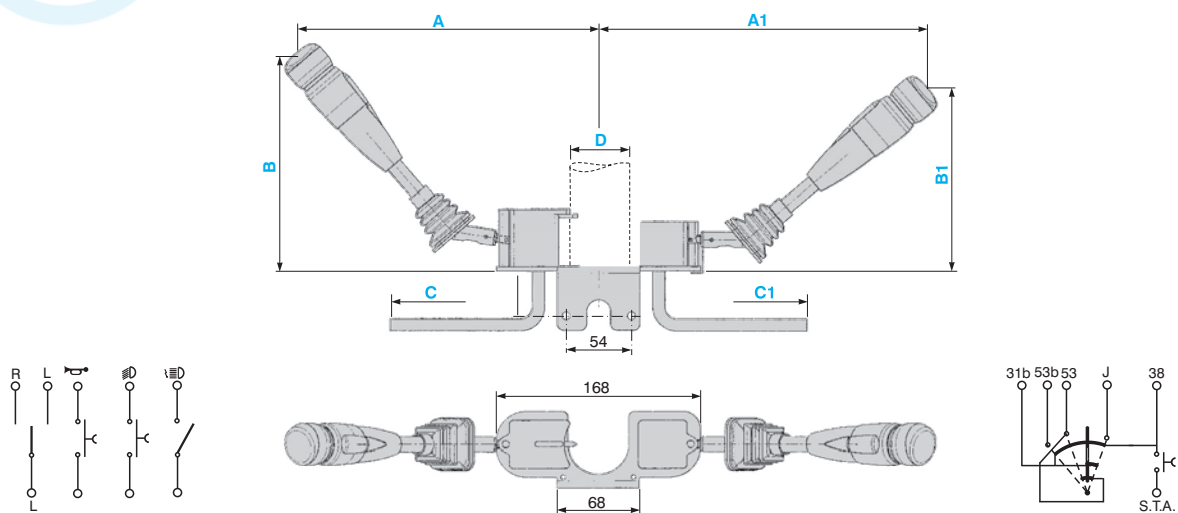
121



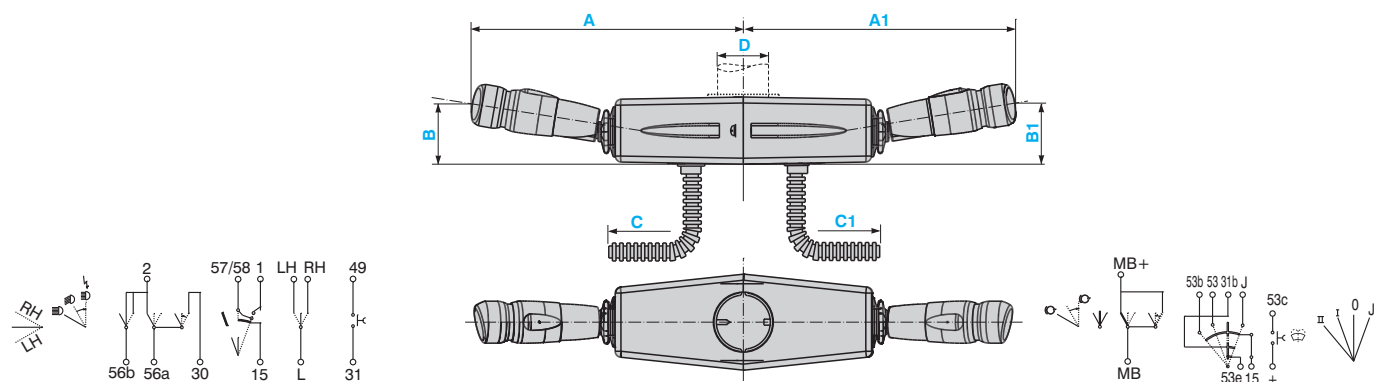
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.450.000	242	28		01.450.500		Ø 45		234	10		01.450.600



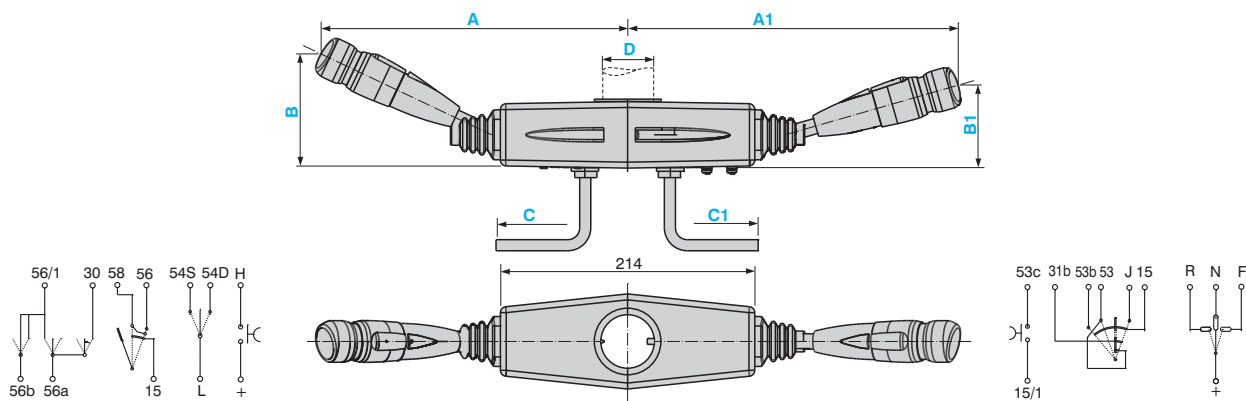
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0614.0000	280	90		01.0614.0500		Ø 50		230	78		01.0614.0600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.520.000	245	180		01.520.500		Ø 50		270	150		01.520.600

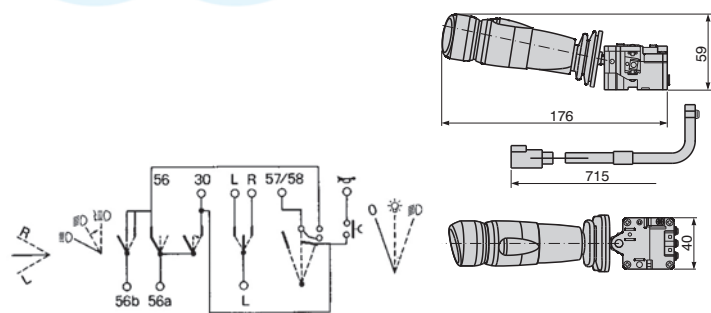


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0825.0000	227	50		01.0825.0500		Ø 45		227	50		01.0825.0600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0989.0000	258	96		01.0989.0500		Ø 56		278	70		01.0989.0600

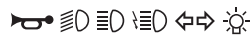
090



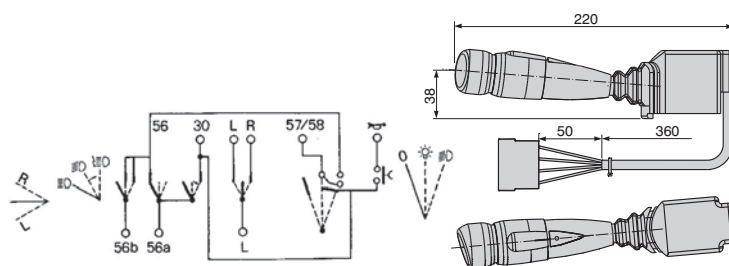
P/N

FUNZIONI - FUNCTIONS

01.0601.0500



090



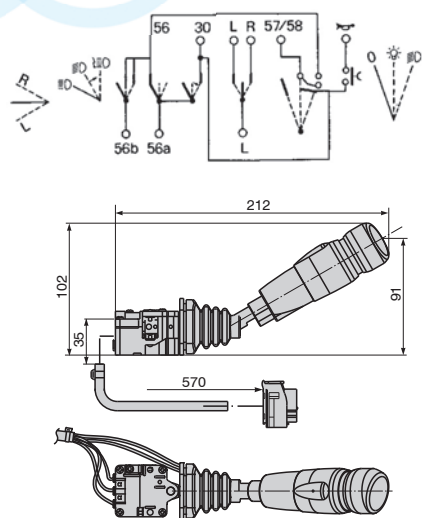
P/N

FUNZIONI - FUNCTIONS

01.0818.0000



090



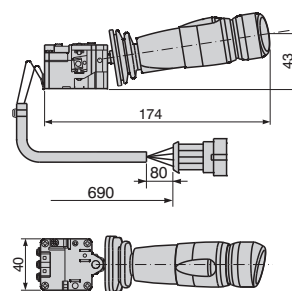
P/N

FUNZIONI - FUNCTIONS

01.1116.0000



298



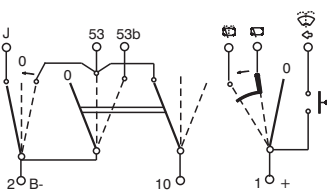
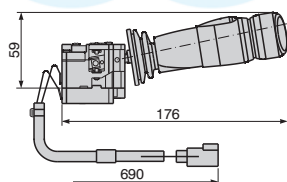
P/N

FUNZIONI - FUNCTIONS

01.1003.0000



166



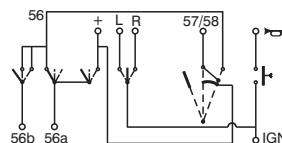
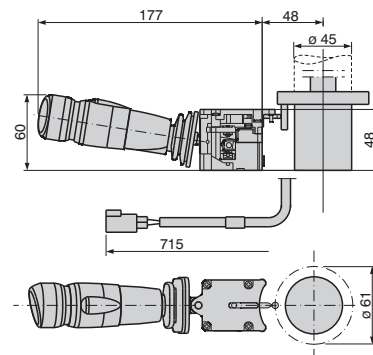
P/N

FUNZIONI - FUNCTIONS

01.0601.0600



167



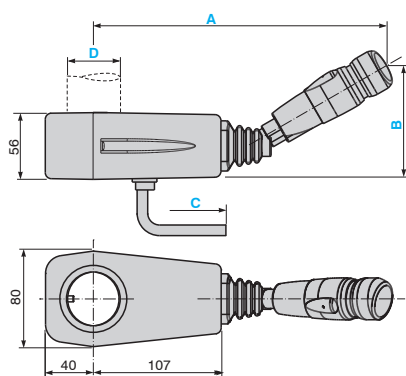
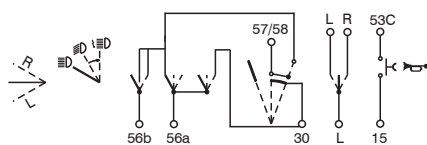
P/N

FUNZIONI - FUNCTIONS

01.0627.0000



163



P/N

A

B

C

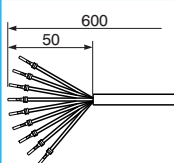
FUNZIONI
FUNCTIONS

D

01.0881.0000

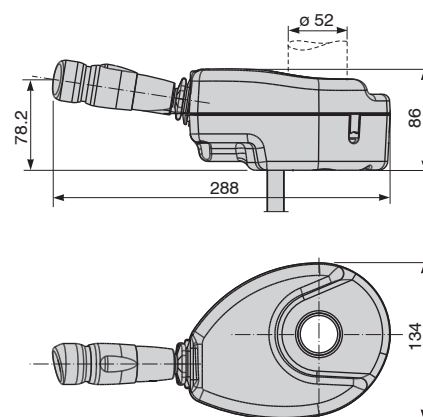
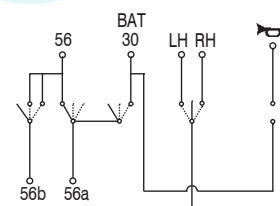
245

96



Ø 45

310



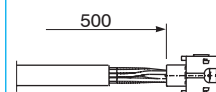
P/N

D

L. CAVO
L. CABLEFUNZIONI
FUNCTIONSRICAMBIO
SPARE PART

01.0972.0000

Ø 52



01.0972.0500

• **Series 250** steering column mounting
LIGHT CONTROL SWITCH + SHIFTER

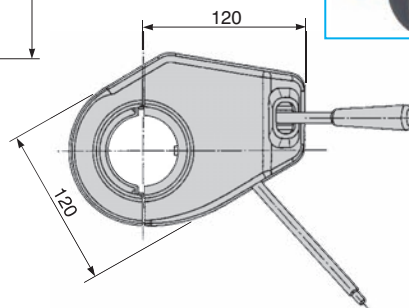
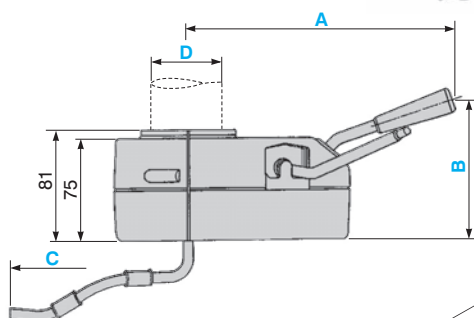
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contentore di protezione: Poliammide
Cavo di collegamento: Connettori Packard
Contatti elettrici inversore: Frontali in aria



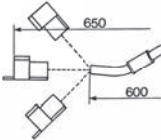
• **Series 250** steering column mounting
LIGHT CONTROL SWITCH + SHIFTER

Lever covering: Polyamide + Function symbols
Cap: Black neoprene rubber
Protection container: Polyamide
Connection cable: Packard connectors
Shifter electrical contacts: Butt contacts

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
F	8A	8A
R	8A	5A



The figure consists of two parts. The left part is a 3D perspective view of a robotic gripper. It has a main body with a width labeled 'A' and a height labeled 'B'. A cable is attached to the side, with a distance 'C' from the body to the cable exit. A small dimension 'D' is also indicated. The right part is a 2D schematic diagram of the gripper's internal mechanism. It shows various components labeled with numbers and letters: 1A, 2A, 1C, 2C, 1B, 2B, 56b, 56, 31b, 30, 31, L, R, 49a, and 49b. The diagram also shows a coordinate system with x, y, and z axes.

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.250.000	200	109			 FR	Ø 52

P/N	A	B	C		FUNZIONI FUNCTIONS	D

• Serie 622 fissaggio a cruscotto INVERSORE MARCIA AVANTI-NEUTRO-INDIETRO

Pomello leva: Poliammide

Leva: Metallica verniciata nera

Cuffia: Gomma EPDM nera

Contenitore di protezione: Poliammide

Contatti elettrici: Contactless "Hall effect"

Durata elettromeccanica: 1.000.000 cicli

• Series 622 dashboard mounting FORWARD-NEUTRAL-REVERSE SHIFTER

Lever knob: Polyamide

Lever: Metallic with black varnishing

Cap: Black EPDM rubber

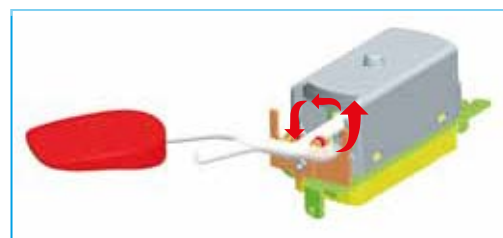
Protection container: Polyamide

Electrical contacts: Contactless "Hall effect"

Electromechanical life: 1.000.000 cycles

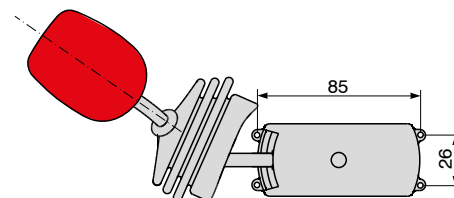
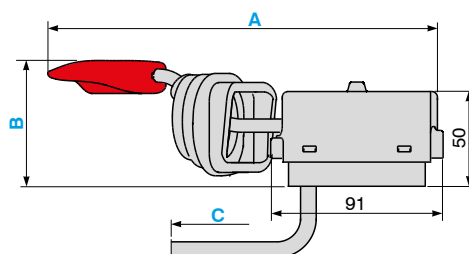
DESIGN REALIZZATO IN ESCLUSIVA PER UN CLIENTE
CUSTOMER EXCLUSIVE DESIGN

HALL EFFECT

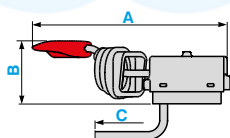


MARCAPOSIZIONI SEPARATO
SEPARATE DETENT

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V
F	100mA resistivi/resistive
N	300mA resistivi/resistive
R	100mA resistivi/resistive
UP	100mA resistivi/resistive
EVP	3A



203



POSIZIONE LEVA LEVER POSITION	AVANTI FORWARD	NEUTRO NEUTRAL	INDIETRO REVERSE
ALTO HIGH	EVP N UP	EVP N UP	EVP N UP
BASSO LOW	EVP AVANTI	N	EVP INDIETRO

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0622.0000	230	55	470		FNR	

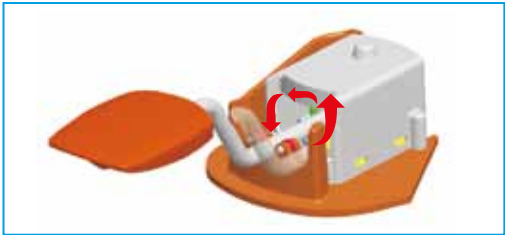
P/N	A	B	C		FUNZIONI FUNCTIONS	D

- Serie 866** fissaggio a cruscotto
INVERSORE MARCIA AVANTI-NEUTRO-INDIETRO
Pomello leva: Poliammide
Leva: Metallica verniciata nera
Cuffia: Gomma EPDM nera
Contenitore di protezione: Poliammide
Contatti elettrici: Contactless "Hall effect"
Durata elettromeccanica: **1.000.000** cicli

- Series 866** dashboard mounting
FORWARD-NEUTRAL-REVERSE SHIFTER
Lever knob: Polyamide
Lever: Metallic with black varnishing
Cap: Black EPDM rubber
Protection container: Polyamide
Electrical contacts: Contactless "Hall effect"
Electromechanical life: **1.000.000** cycles

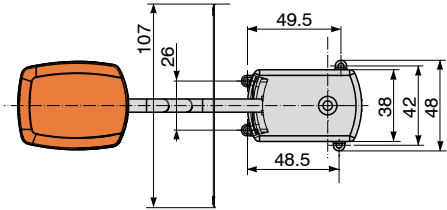
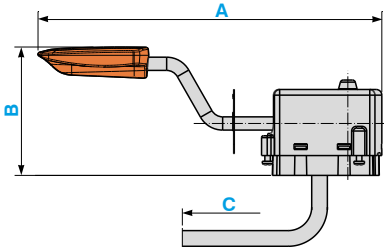
DESIGN REALIZZATO IN ESCLUSIVA PER UN CLIENTE
 CUSTOMER EXCLUSIVE DESIGN

HALL EFFECT

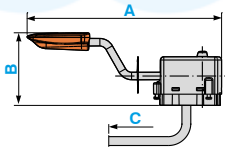


MARCAPOSIZIONI SEPARATO
 SEPARATE DETENT

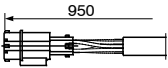
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V
F	100mA resistivi/ resistive
N	300mA resistivi/ resistive
R	100mA resistivi/ resistive
UP	100mA resistivi/ resistive
EVP	3A



203



POSIZIONE LEVA LEVER POSITION	AVANTI FORWARD	NEUTRO NEUTRAL	INDIETRO REVERSE
ALTO HIGH	EVP N UP	EVP N UP	EVP N UP
BASSO LOW	EVP AVANTI	N	EVP INDIETRO

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1104.0300	182	68			FNR	

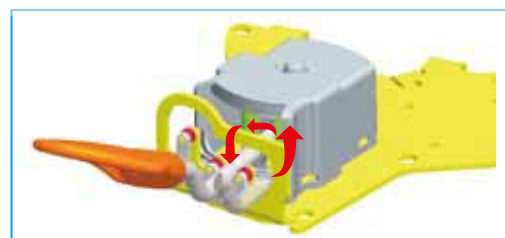
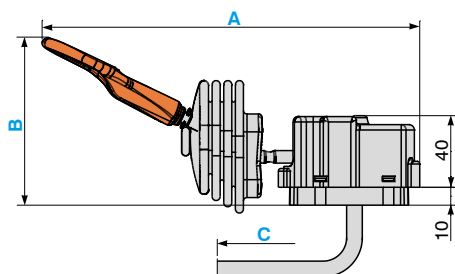
P/N	A	B	C		FUNZIONI FUNCTIONS	D

Pomello leva: Poliammide
Leva: Metallica verniciata nera
Cuffia: Gomma EPDM nera
Contenitore di protezione: Poliammide
Contatti elettrici: Contactless "Hall effect"
Durata elettromeccanica: 1.000.000 cicli

Lever knob: Polyamide
Lever: Metallic with black varnishing
Cap: Black EPDM rubber
Protection container: Polyamide
Electrical contacts: Contactless "Hall effect"
Electromechanical life: 1.000.000 cycles

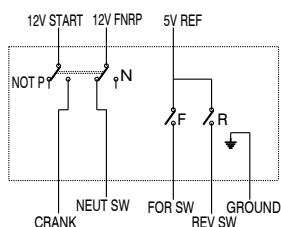
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V
F	*
N	*
R	*
P	*

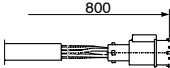
* SHIFTER'S ELECTRICAL LOADS MUST BE SET
ACCORDING TO THE CONTROL UNIT
INTERFACING THE DEVICE



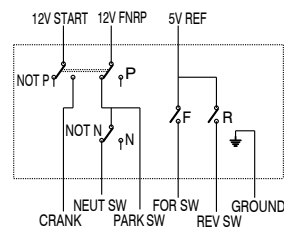
Technical drawing of the 100W speaker unit. The drawing shows the speaker's profile and a top-down view of the mounting bracket. Dimensions are indicated: a width of 73mm and a height of 26mm.

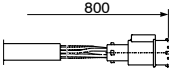
A diagram of a robotic arm assembly. Dimension A is the horizontal distance from the vertical line of the base to the end of the arm. Dimension B is the vertical height from the base to the end of the arm. Dimension C is the horizontal distance from the vertical line of the base to the center of the motor.



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0780.0500	208	94			FNR	

A diagram of a robotic arm assembly. Dimension A is the horizontal distance from the vertical line of the base to the end of the arm. Dimension B is the vertical height from the base to the end of the arm. Dimension C is the horizontal distance from the vertical line of the base to the center of the gripper.



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0776 .0500	208	94			F NRP	

REED

Pomello leva: Poliammide

Leva: Metallica verniciata nera

Cuffia: Gomma EPDM nera

Contenitore di protezione: Poliammide

Contatti elettrici: Contactless "Reed"

Durata elettromeccanica: 1.000.000 cicli



• **Series 962** dashboard mounting
FORWARD-NEUTRAL-REVERSE SHIFTER

Lever knob: Polyamide

Lever: Metallic with black varnishing

Cap: Black EPDM rubber

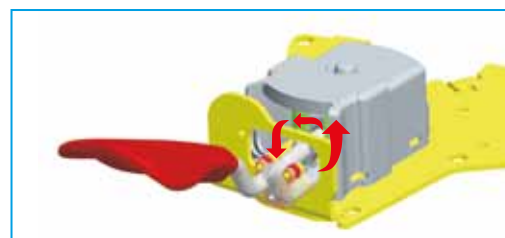
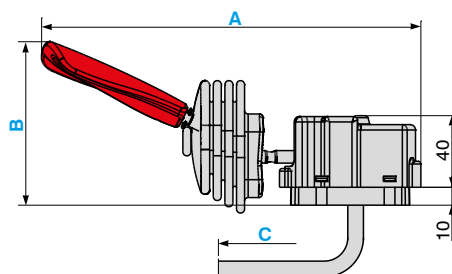
Protection container: Polyamide

Electrical contacts: Contactless "Reed"

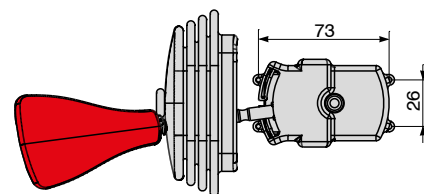
Electromechanical life: 1.000.000 cycles

DESIGN REALIZZATO IN ESCLUSIVA PER UN CLIENTE
CUSTOMER EXCLUSIVE DESIGN

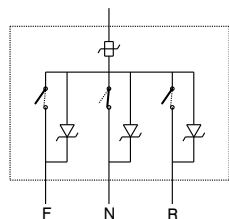
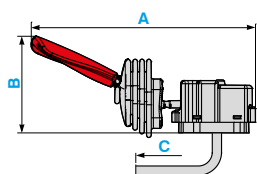
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V
F	100mA resistivi / <i>resistive</i>
N	100mA resistivi / <i>resistive</i>
R	100mA resistivi / <i>resistive</i>

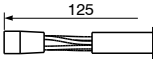


MARCAPOSIZIONI SEPARATO
SEPARATE DETENT



282



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0962.0500	212	91			FNR	

P/N	A	B	C		FUNZIONI FUNCTIONS	D

• Serie 987 fissaggio a cruscotto INVERSORE MARCIA AVANTI-NEUTRO-INDIETRO-PARKING

Pomello leva: Poliammide

Leva: Metallica verniciata nera

Cuffia: Gomma EPDM nera

Contenitore di protezione: Poliammide

Contatti elettrici: Contactless "Hall effect"

Durata elettromeccanica: 1.000.000 cicli

• Series 987 dashboard mounting FORWARD-NEUTRAL-REVERSE-PARKING SHIFTER

Lever knob: Polyamide

Lever: Metallic with black varnishing

Cap: Black EPDM rubber

Protection container: Polyamide

Electrical contacts: Contactless "Hall effect"

Electromechanical life: 1.000.000 cycles

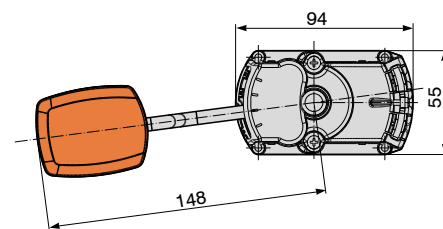
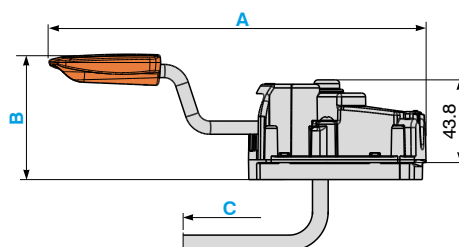
DESIGN REALIZZATO IN ESCLUSIVA PER UN CLIENTE
CUSTOMER EXCLUSIVE DESIGN

HALL EFFECT

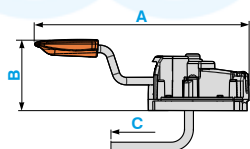


MARCAPOSIZIONI INTEGRATO
INTEGRATED DETENT

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V
F	100mA resistivi / resistive
N	300mA resistivi / resistive
R	100mA resistivi / resistive
UP	100mA resistivi / resistive
P	100mA resistivi / resistive
EVP	3A



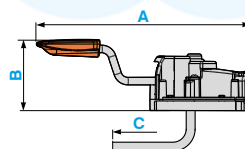
220



POSIZIONE LEVA LEVER POSITION	INDIETRO REVERSE	NEUTRO NEUTRAL	AVANTI FORWARD
ALTO HIGH	EVP UP N	EVP UP N	EVP UP N
BASSO LOW	EVP REVERSE	N	EVP FORWARD

P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.1103.0300	200	66			FNR 0

221



POSIZIONE LEVA LEVER POSITION	INDIETRO REVERSE	NEUTRO NEUTRAL	AVANTI FORWARD	PARCHEGGIO PARKING
ALTO HIGH	EVP UP N	EVP UP N	EVP UP N	EVP UP N
BASSO LOW	EVP REVERSE	N	EVP FORWARD	N PARK LOCK

P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.1102.0300	200	68			FNR 0

• **Serie 226** fissaggio a cruscotto
INVERSOE MARCIA AVANTI-INDIETRO

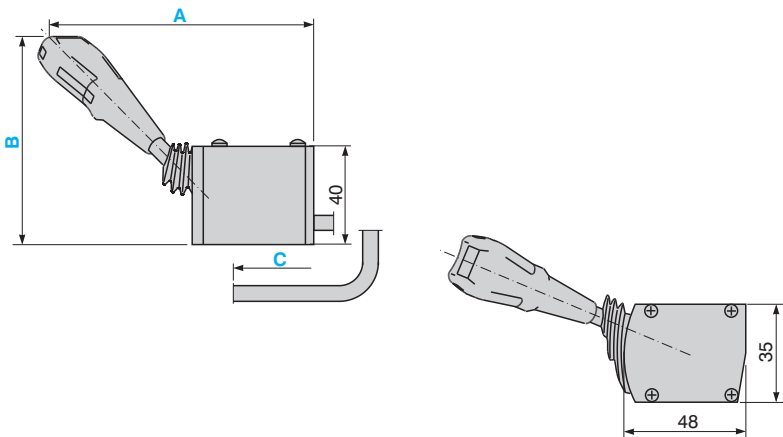
Pomello leva: Poliammide
Leva: Metallica verniciata nera
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide

• **Series 226** dashboard mounting
FORWARD - REVERSE SHIFTER

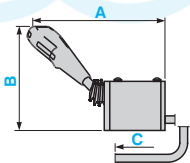
Lever knob: Polyamide
Lever: Metallic with black warnishing
Cap: Black neoprene rubber
Protection container: Polyamide

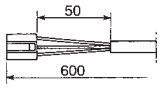


FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	2A	1A
R	2A	1A



113



P/N	A	B	C		FUNZIONI FUNCTIONS	D
16.226.000	175	94			F R 	

P/N	A	B	C		FUNZIONI FUNCTIONS	D

• Serie 316 fissaggio a cruscotto INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva interna: Metallica

Rivestimento leva: ABS o poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

(in alcune versioni es. 01.493.000 - 01.0589.0000 -

01.0607.0000 prevista cuffia integrale con protezione **IP66**)

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici: Microswitch **IP66-67** disponibili versioni con contatti dorati per comando centraline elettroniche

• Series 316 dashboard mounting FORWARD-REVERSE-SLOW-FAST SHIFTER

Interior lever: Metallic

Lever covering: ABS or Polyamide + Function symbols

Cap: Black neoprene rubber (integral cap with **IP66** protection available only for some versions ex. 01.493.000 - 01.0589.0000 - 01.0607.0000)

Connection cable: Available with different kinds of connection

Electrical contacts: Microswitch **IP66-67**

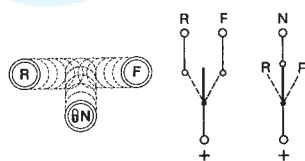
versions with gold-plated contacts for electronic pc boards are available

MICROSWITCH



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	5A	2,5A
N	5A	2,5A
R	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A

102



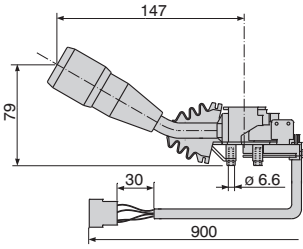
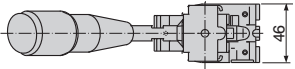
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.432.000		FNR

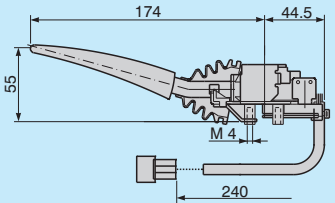
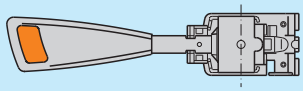
012

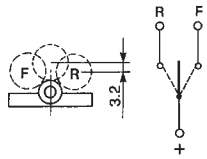


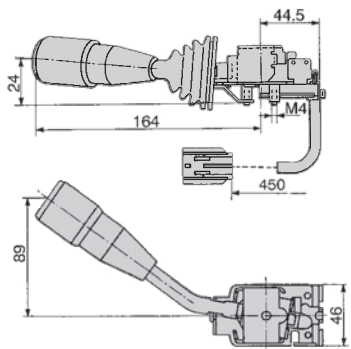
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.334.000		FNR
01.0932.0000		FNR

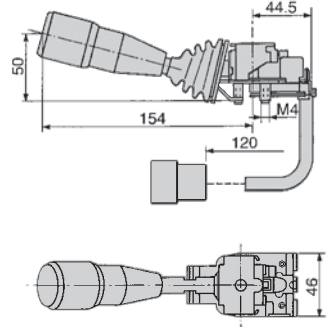
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
-----	--------------------------	-----------------------

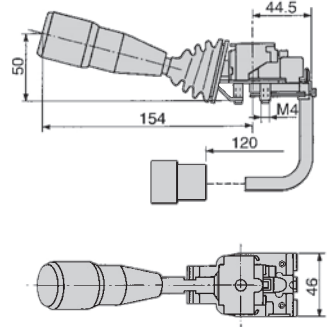
01.0927.0000	 	FNR
--------------	---	-----

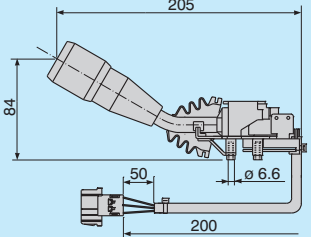
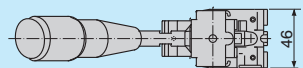
01.0870.0000	 	FNR 🔒
--------------	---	----------

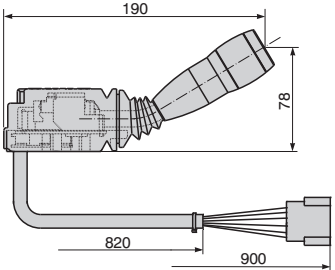
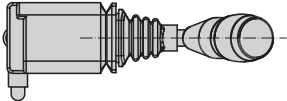
		
--	---	--

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.430.000		F R 🔒

		
--	---	--

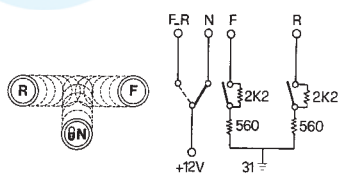
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0618.0000		FNR 🔒🔊

01.0938.0000	 	FNR 🔒🔊
--------------	---	-----------

01.0936.0000	 	FNR 🔒🔊
--------------	---	-----------

--	--	--

056



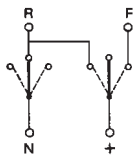
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.316.000		FNR 🔒
01.0665.0000		FNR 🔒
01.0615.0000		FNR 🔒
01.0675.0000		FNR 🔒

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0854.0000		FNR 🔒
01.0666.0000		FNR 🔒
01.0676.0000		FNR 🔒
01.532.000		FNR 🔒
01.0607.0000		FNR 🔒

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0629.0000		FNR

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0756.0000		FNR

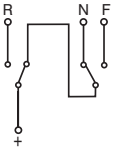
126



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.493.000		FNR

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0589.0000		FNR

213



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0759.0000		FNR

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0921.0000		FNR

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1086.0000		FNR 🔒

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0977.0000		FNR 🔒

--	--	--

--	--	--

	231	

01.1035.0000		FNR 🔒

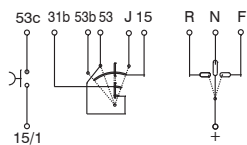
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0807.0000		FNR 🔒

--	--	--

01.0903.0000		FNR 🔒
--------------	--	----------

--	--	--

325



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1123.0000	Technical drawing of the FNR 1123 device. The top view shows a side profile with dimensions: 44.5 (width of the mounting bracket), 180 (length of the main body), 42.5 (height of the mounting bracket), 10 (width of the mounting bracket), 58.5 (height of the main body), 800 (length of the cable), and 50 (width of the cable connector). The bottom view shows a top-down profile with a dimension of 46 (width of the mounting bracket). The right side of the drawing shows the FNR logo and three function icons: a padlock (F), a fan (I), and a fan with a plus sign (II).	FNR F I II

[illegible]

- Serie 240** **fissaggio a cruscotto**
DEVIAGUIDA COMANDO LUCI
Disponibili versioni: Con ritorno automatico della leva in posizione centrale
Accensione luci interne-esterne: Ruotando pomello leva
Leva interna: Metallica
Rivestimento leva: ABS o poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Cavo di collegamento: Disponibile con diversi tipi di connessione

- Series 240** **dashboard mounting**
LIGHT CONTROL SWITCH
Versions available: With lever self-canceling function in central position
Interior-exterior lights ignition: Turning lever knob
Interior lever: Metallic
Lever covering: ABS or polyamide + Function symbols
Cable: Black neoprene rubber
Connection cable: Available with different kinds of connection



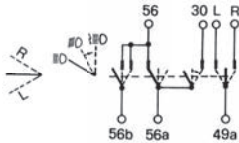
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A		7A	5A
	6,5A	4,5A		1,8A	1A
	7A	5A		8A	5A
	7A	5A		9A	6A
	7A	5A			
	5A	3A			

158



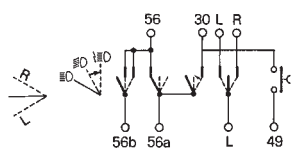
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0956.0000		

232



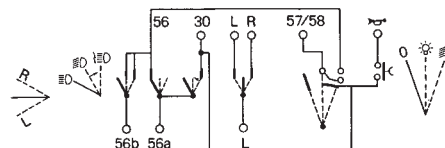
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0951.0000		

072



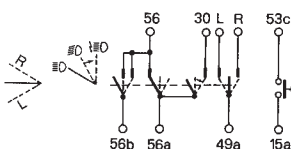
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0779.0000		

090



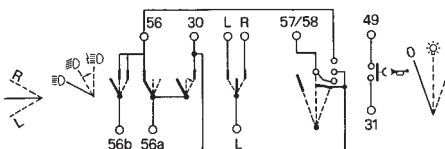
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.408.000		

071



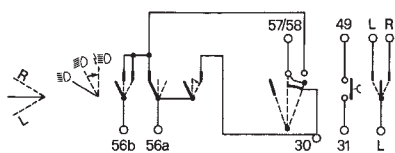
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.355.000		

132



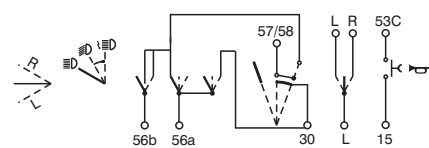
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.533.000		

083



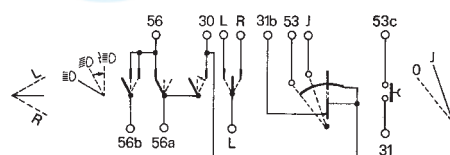
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.398.000		
01.463.000		

163



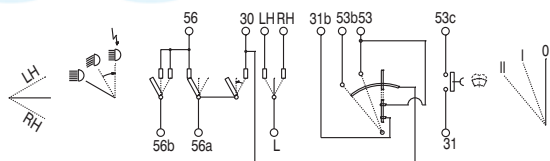
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.559.000		

087



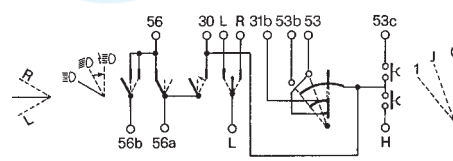
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.458.000		

060



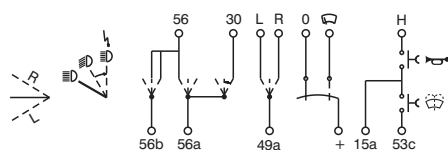
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0916.0000		

009



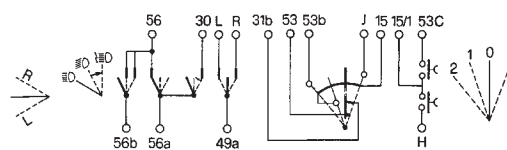
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0592.0000		

152



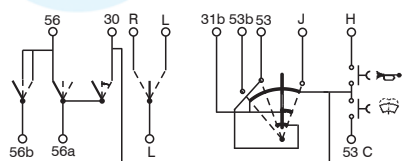
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0587.0000		

116

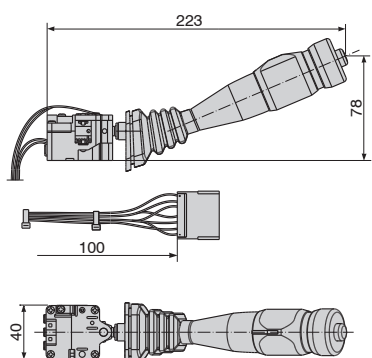


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0585.0000		

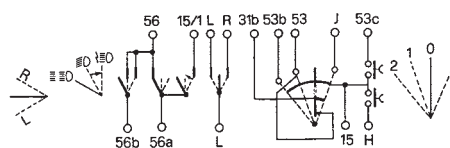
008



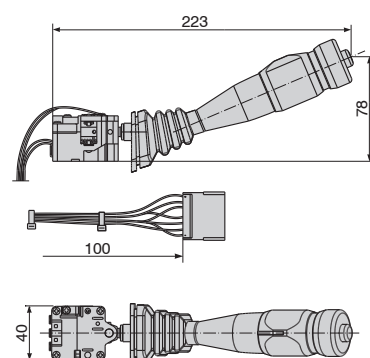
01.1069.0000



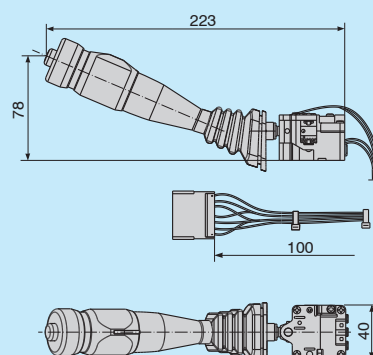
082



01.1088.0000



01.1092.0000



• **Serie 240** fissaggio a cruscotto
COMANDI TERGICRISTALLO

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Polliamide

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici: Frontali in aria

• **Series 240** dashboard mounting
WINDSHIELD WIPER SWITCHES

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

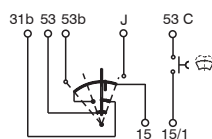
Connection cable: Available with different kinds of connection

Electrical contacts: *Butt contacts*



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	7A	5A
	1,8A	1A
	8A	5A
	9A	6A

321



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1100.0000	Technical drawing of the component 01.1100.0000. The drawing includes three views: a front view, a side view, and a detail view of the cable connector. Dimensions are provided in millimeters (mm): - Front view: Total height 148 mm, base diameter 54 mm. - Side view: Arm length 100 mm, base height 85 mm, cable length 240 mm, cable diameter 44 mm. - Detail view: Shows the cable connector with a 44 mm diameter.	Four fan symbols representing different functions: a standard fan, a fan with a wavy line, a fan with a wavy line and a dot, and a fan with a wavy line and a dot.

[illegible]

• **Serie 240** **fissaggio a cruscotto**
INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

Leva interna: Metallica
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliamide
Cavo di collegamento: Disponibile con diversi tipi di connessione
Contatti elettrici: Frontali in aria

• **Series 240** **dashboard mounting**
FORWARD-REVERSE-SLOW-FAST SHIFTER

Interior lever: Metallic
Lever covering: Polyamide + Function symbols
Cap: Black neoprene rubber
Protection container: Polyamide
Connection cable: Available with different kinds of connection
Electrical contacts: Butt contacts



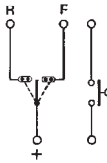
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A	F	8A	5A
			R	8A	5A
				8A	5A
				8A	5A
				3A	2A

012



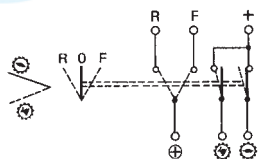
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.553.000		FNR

248



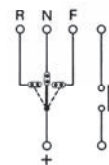
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.516.000		FR

097



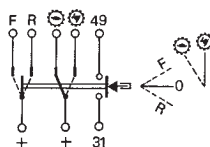
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.409.000		F R

005



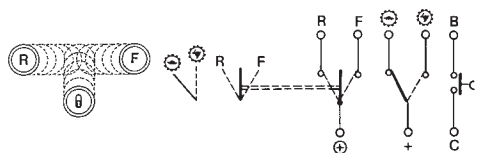
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0849.0000		F N R
01.0918.0000		F N R

025



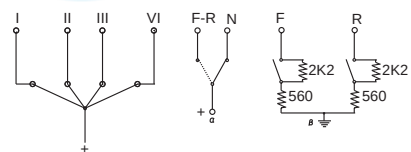
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0869.0000		F R

095



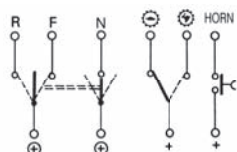
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.391.000		F R I II

307



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1034.0000		F N R I II III IV

212



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0757.0000		F N R I II

- **Serie 240** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Montaggio: Applicabile a piantoni di diverso diametro

• **Series 240** steering column mounting
LIGHT CONTROL SWITCH

Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

Cap: *Black neoprene rubber*

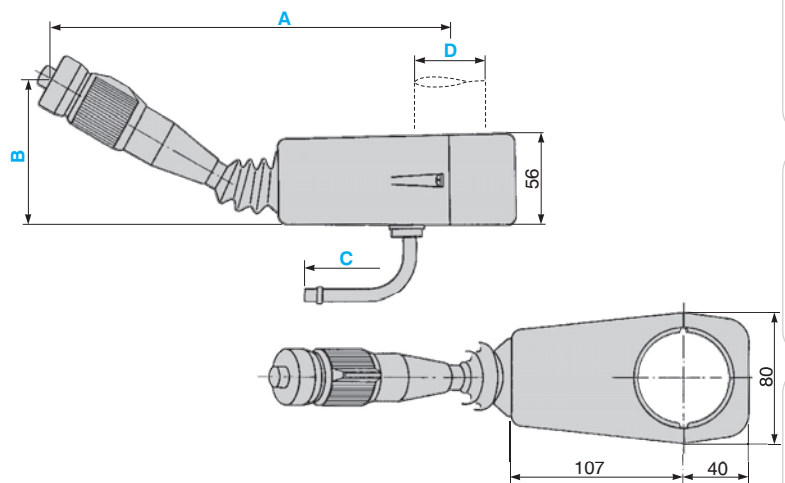
Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

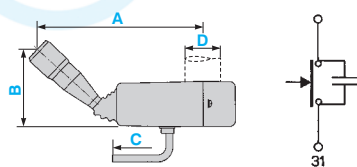
Setting: Designed for steering columns of different diameters

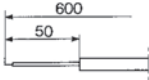


FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	2,5A
	7A	3,5A
	7A	3,5A
	7A	3,5A
	7A	3,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A

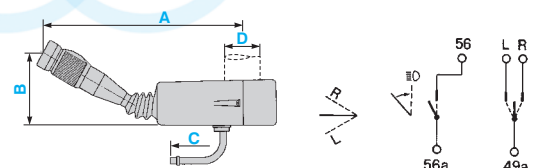


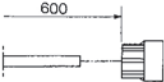
080



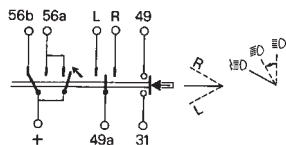
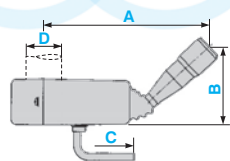
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.360.000	222	78				Ø 45

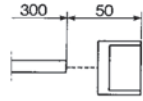
084



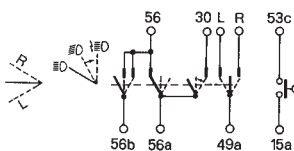
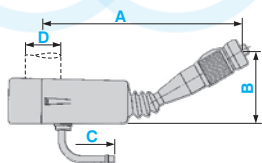
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.407.000	254	80				Ø 45

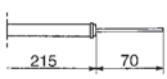
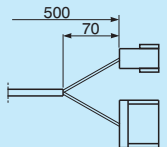
077



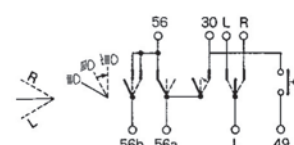
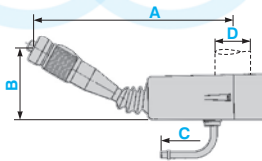
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.364.000	234	85				Ø 38

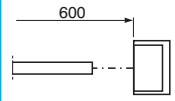
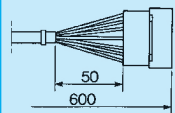
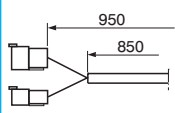
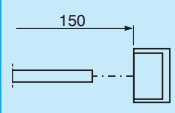
071



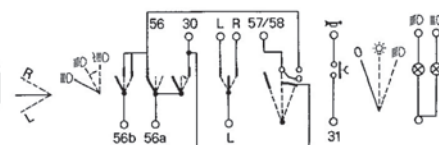
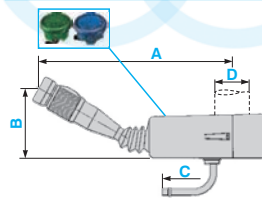
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.445.000	247	96				Ø 45
01.1038.0000	247	96				Ø 45

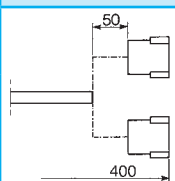
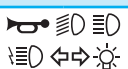
072



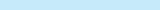
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.356.000	247	96				Ø 45
01.0696.0000	268	69				Ø 45
01.0826.0000	253	96				Ø 55
01.1037.0000	247	96				Ø 55

086

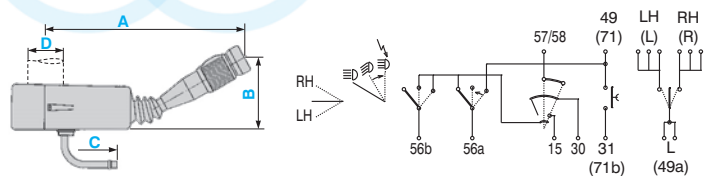


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.437.000	247	96			 	Ø 38

[illegible]

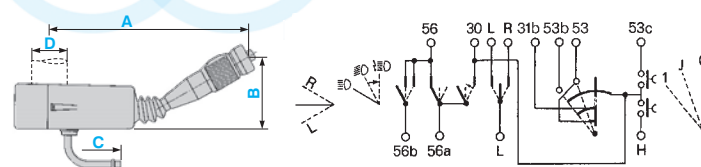
01.431.000	247	96				Ø 45
------------	-----	----	---	---	---	------

277



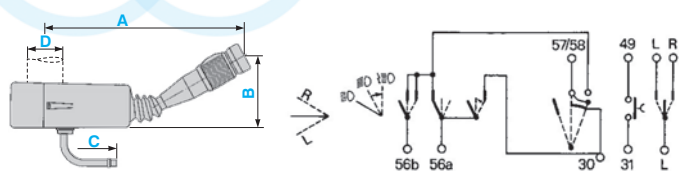
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0953.0000	247	96				Ø 45

250



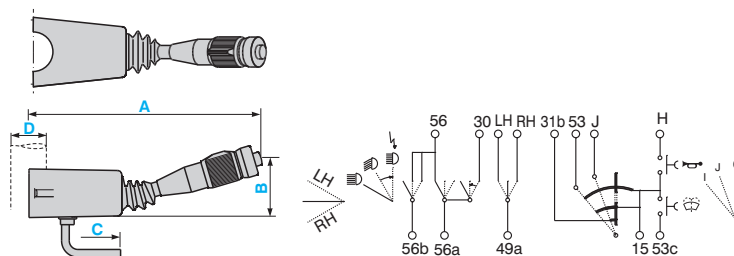
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0853.0000	260	65				Ø 45

083



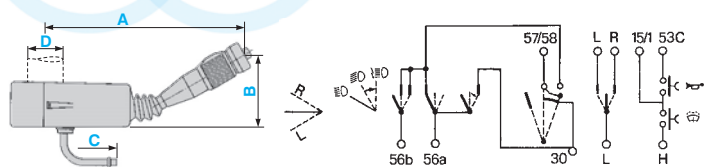
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.518.000	247	96				Ø 45
01.0782.0000	247	96				Ø 45
01.0897.0000	247	96				Ø 38

235



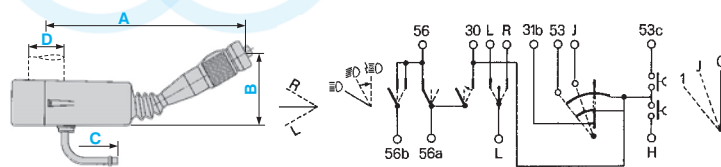
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0811.0000	247	96				Ø 45

085



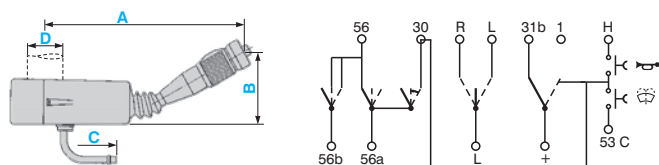
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.414.000	247	96				Ø 45
01.0804.0000	247	96				Ø 38

139



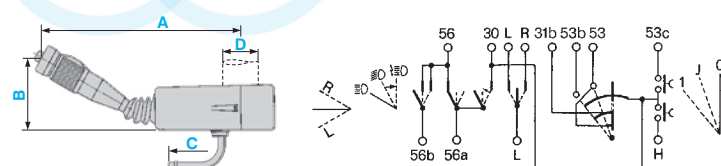
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.358.000	247	96				Ø 45
01.0764.0000	247	96				Ø 55

194



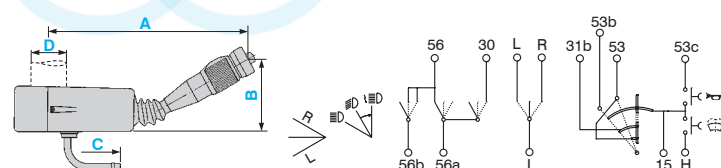
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0694.0000	268	69				Ø 45

009



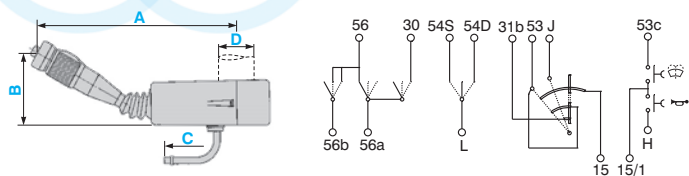
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.312.000	254	95				Ø 45

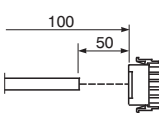
317



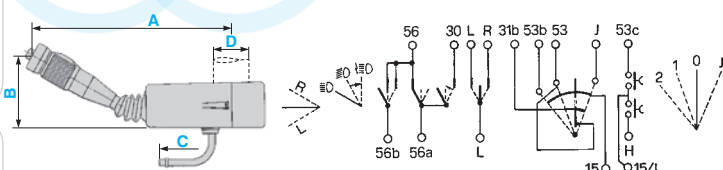
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1084.0000	260	65				Ø 45

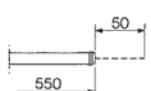
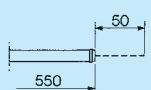
300



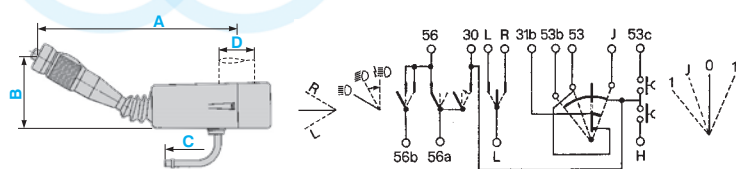
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1010.0000	260	65				Ø 45

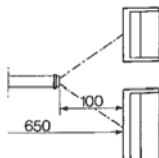
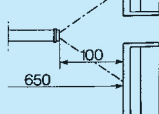
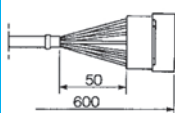
081



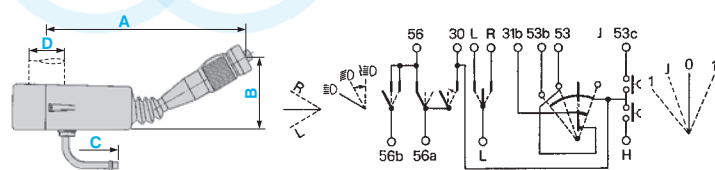
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.377.000	259	65,5				Ø 38
01.459.000	259	65,5				Ø 45

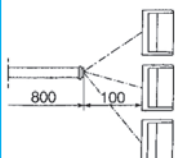
008

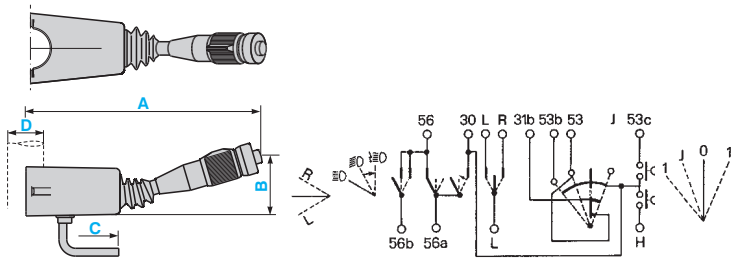


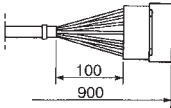
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.259.000	254	96				Ø 38
01.0583.0000	260	65				Ø 38
01.321.000	260	65				Ø 45

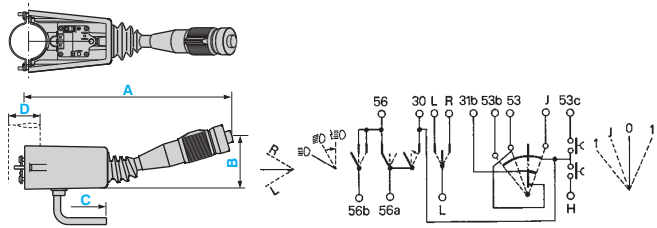
002



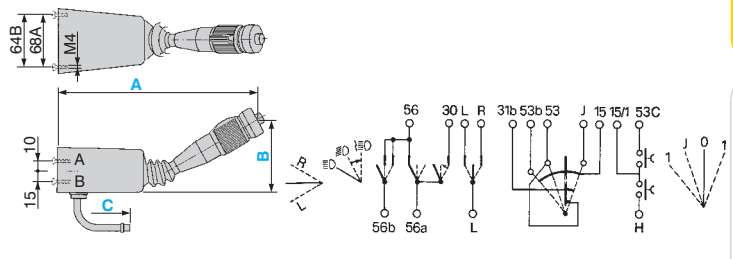
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.254.000	247	96				Ø 45



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0943.0000	247	96				Ø 45



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0677.0000	270	70				Ø 45

[illegible]

01.1073.0000

01.248.000

• **Serie 240** **fissaggio a piantone sterzo**
INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE

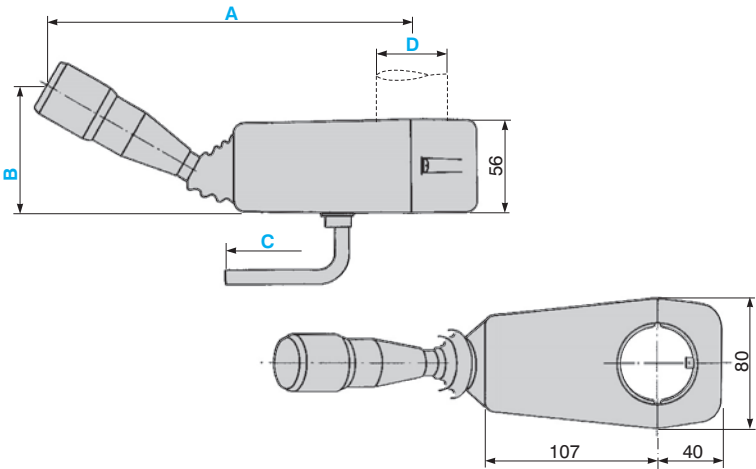
- Leva interna:** Metallica
- Rivestimento leva:** Poliammide + simboli funzioni
- Cuffia:** Gomma neoprene nera
- Contenitore di protezione:** Lega di alluminio verniciata nera
- Cavo di collegamento:** Disponibile con diversi tipi di connessione
- Contatti elettrici:** Frontali in aria
- Montaggio:** Applicabile a piantoni di diverso diametro

• **Series 240** **steering column mounting**
FORWARD-REVERSE-SLOW-FAST SHIFTER

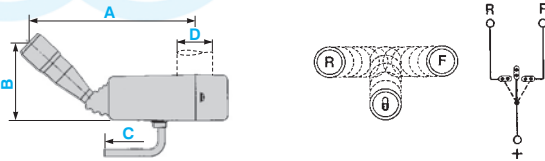
- Interior lever:** Metallic
- Lever covering:** Polyamide + Function symbols
- Cap:** Black neoprene rubber
- Protection container:** Black aluminium alloy
- Connection cable:** Available with different kinds of connection
- Electrical contacts:** Butt contacts
- Setting:** Designed for steering columns of different diameters



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	8A	5A
	6,5A	4,5A
	7A	5A
F	8A	5A
N	5A	3A
R	8A	5A
	8A	5A
	8A	5A

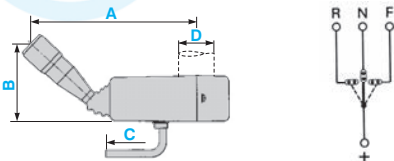


066



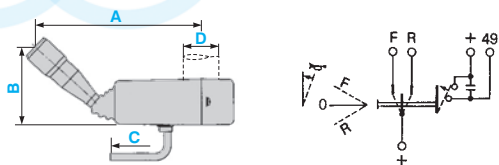
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.451.000	222	78			F R	Ø 38

012



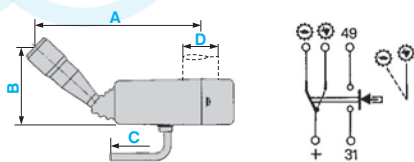
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.315.000	222	78			F N R	Ø 45

011



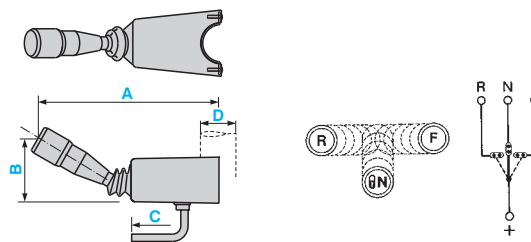
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.289.000	210	103			F R	Ø 38
01.288.000	210	103			F R	Ø 45

004



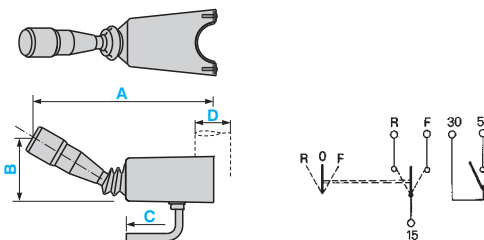
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.287.000	220	78			F R	Ø 38
01.286.000	220	78			F R	Ø 45

012



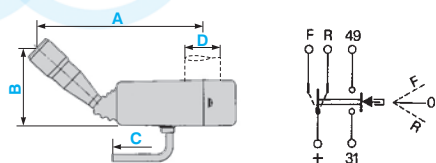
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0949.0000	222	78			FNR	Ø 38

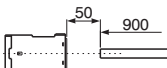
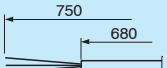
098



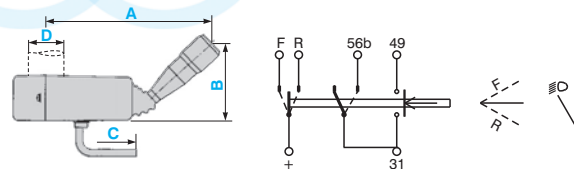
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0945.0000	222	78			F R I	Ø 45

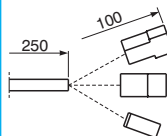
038



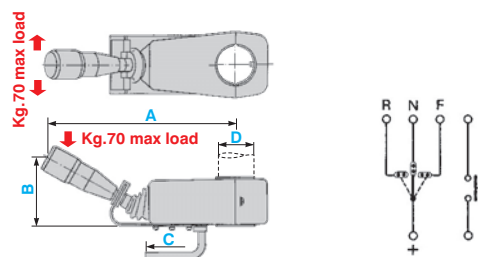
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0604.0000	245	85				Ø 45
01.0861.0000	234	85				Ø 45

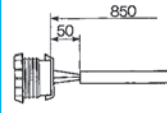
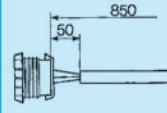
200



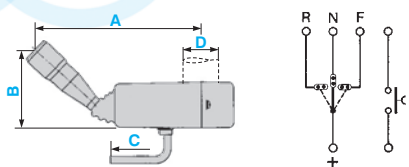
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.485.000	234	85				Ø 38

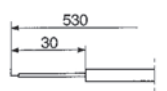
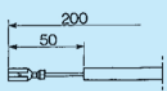
005



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.291.000	242	100				Ø 38
01.352.000	242	100				Ø 45

005



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.498.000	234	85				Ø 38
01.344.000	248	47				Ø 45

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.253.000	220	78			F R 	Ø 45
01.0611.0000	222	78			F R 	Ø 45

010

Technical drawing of a horn speaker. Dimension A is the total length. Dimension B is the height of the horn. Dimension C is the width of the base. Dimension D is the width of the horn mouth.

Diagram showing the electrical connections and sound field. The connections are labeled F, R, 49, 31, and 0. The sound field is shown with a horn icon and a sound wave pattern.

P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.285.000	220	78			FR 	Ø 38
01.284.000	220	78			FR 	Ø 45
01.0862.0000	234	85			FR 	Ø 45

[illegible]

• Serie 240 **fissaggio a piantone sterzo** **INVERSOE MARCIA AVANTI-INDIETRO-LENTA-VELOCE** **+ VARIATORE DI VELOCITÀ**

Variazione di velocità: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + Simboli funzioni

Cuffia: Gomma neoprene nera

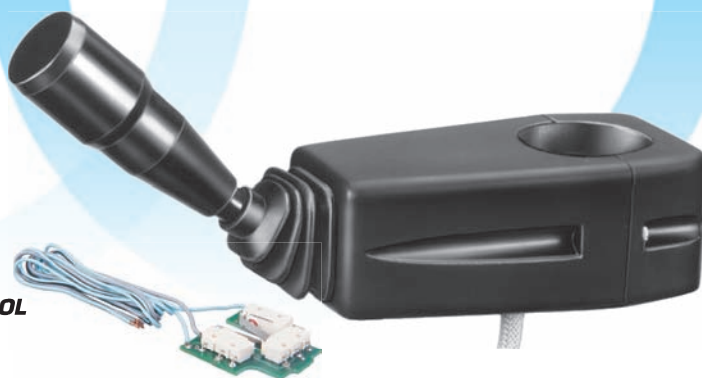
Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici: Frontali in aria microswitch

Montaggio: Applicabile a piantoni di diverso diametro

MICROSWITCH



• Serie 240 **steering column mounting** **FORWARD-REVERSE-SLOW-FAST SHIFTER + SPEED CONTROL**

Speed control: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

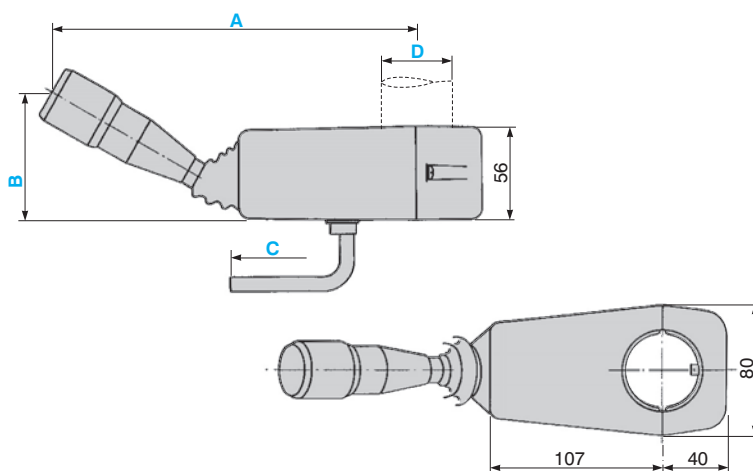
Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

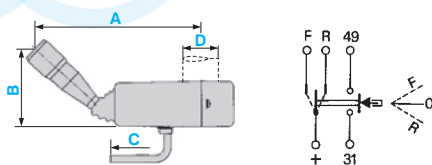
Electrical contacts: Butt contacts microswitch

Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	2,5A
F	5A	2,5A
N	5A	2,5A
R	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A

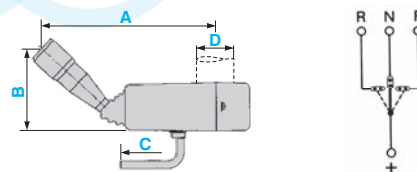


038

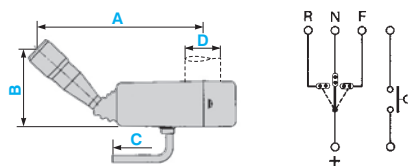


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.351.000	222	78			F R	Ø 38
01.350.000	222	78			F R	Ø 45
01.1001.0000	236	86			F R	Ø 45

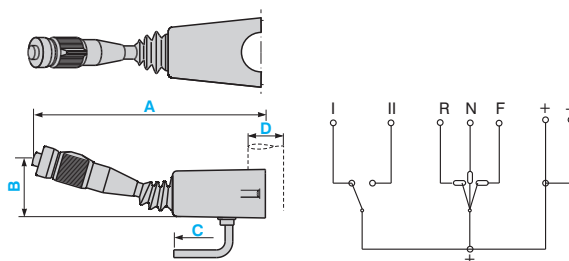
012



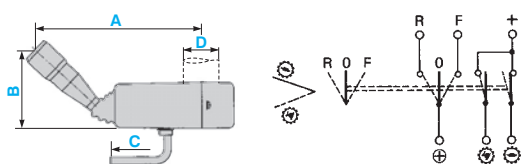
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.313.000	222	78			FNR	Ø 45



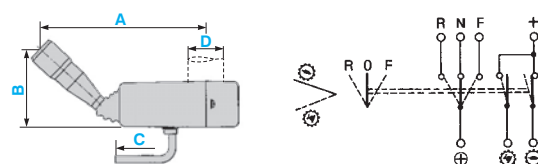
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.340.000	237	35			FNR 	Ø 55
01.561.000	234	85			FNR 	Ø 38
01.562.000	243	85			FNR 	Ø 45



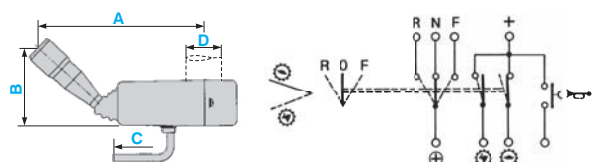
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0809.0000	247	96			FNR 	Ø 45
01.0890.0000 DIFFERISCE DA 01.0809.0000 PER ROTATIVO CON CONTATTI STRISCIANTE IT DIFFERS FROM 01.0809.0000 IN THE GEAR KNOB WITH SLIDING CONTACTS	247	96			FNR 	Ø 45

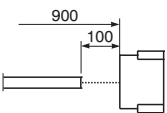


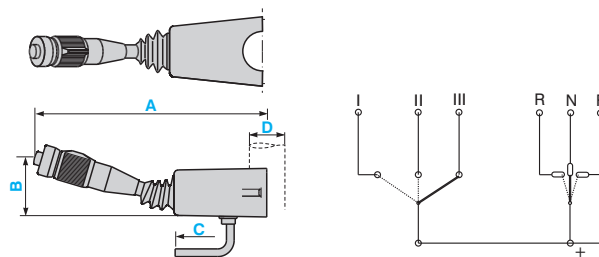
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.515.000	222	78			F R 	Ø 38

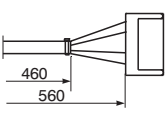


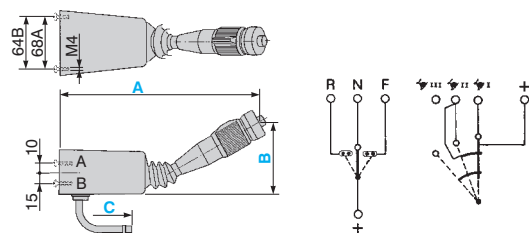
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.509.000	222	78			FNR 	Ø 45
01.0595.0000	262	78			FNR 	Ø 45

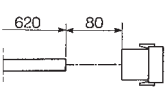


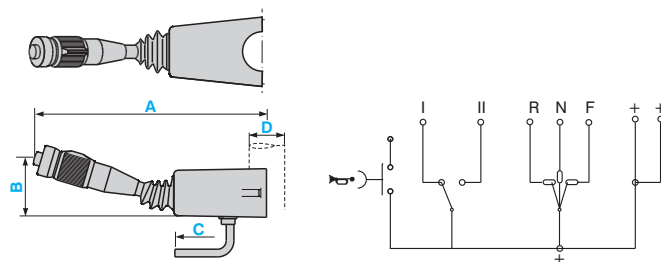
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1026.0000	222	78			FNR 	Ø 38

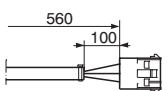


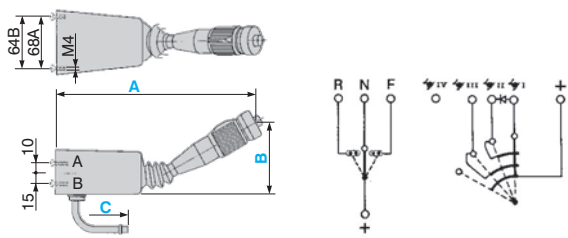
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0939.0000	256	95			FNR 	Ø 45

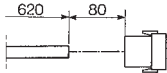


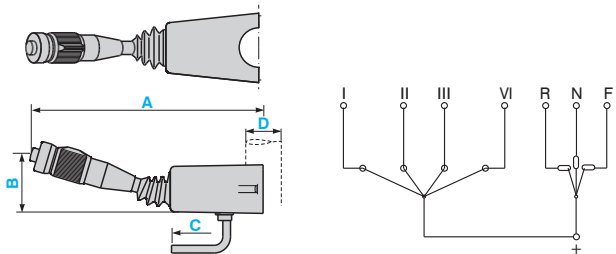
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.345.000	256	95			FNR 	

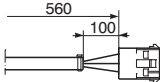
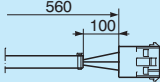


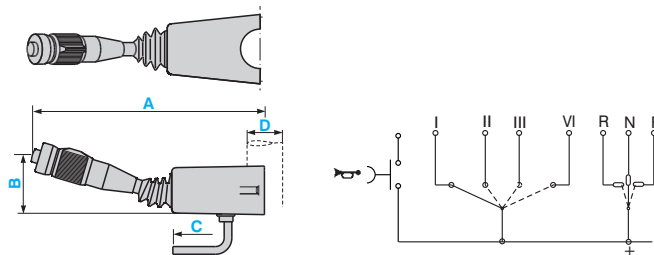
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0968.0000 ROTATIVO CON CONTATTI STRISCIANTI GEAR KNOB WITH SLIDING CONTACTS	247	96			FNR 	Ø 45

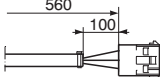


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.346.000	256	95			FNR  I  II  III  IV	



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0810.0000	247	96			FNR     	Ø 45
01.0888.000 DIFFERISCE DA 01.0810.0000 PER ROTATIVO CON CONTATTI STRISCIANTI (IT DIFFERS FROM 01.0810.0000 IN THE GEAR KNOB WITH SLIDING CONTACTS)	247	96			FNR     	Ø 45



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0911.0000	267	68			 FNR  I  II  III  IV	Ø 45

• Serie 240 fissaggio a piantone sterzo INVERSORE MARCIA AVANTI-INDIETRO-LENTA-VELOCE + VARIATORE DI VELOCITÀ

Variazione di velocità / Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici inversore: Frontali in aria

Montaggio: Applicabile a piantoni di diverso diametro



• Series 240 steering column mounting FORWARD-REVERSE-SLOW-FAST SHIFTER + SPEED CONTROL

Speed control / Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Black aluminium alloy

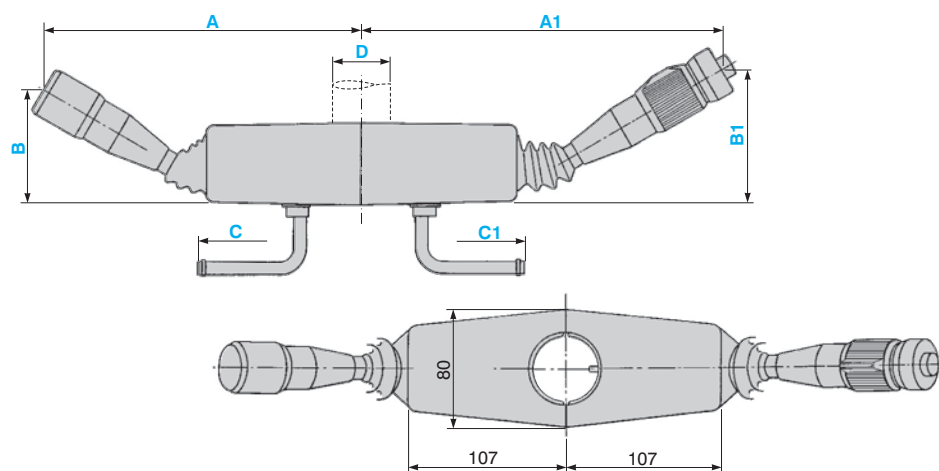
Connection cable: Available with different kinds of connection

Shifter electrical contacts: Butt contacts

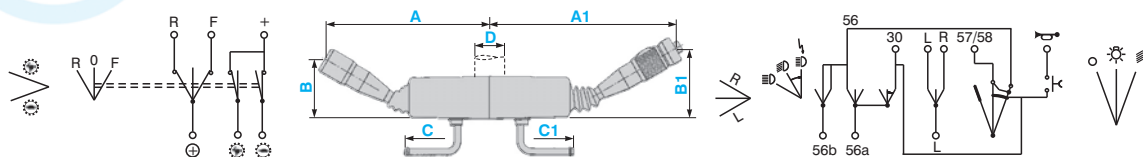
Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	2,5A
	7A	3,5A
	7A	3,5A
	7A	3,5A
	7A	3,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A

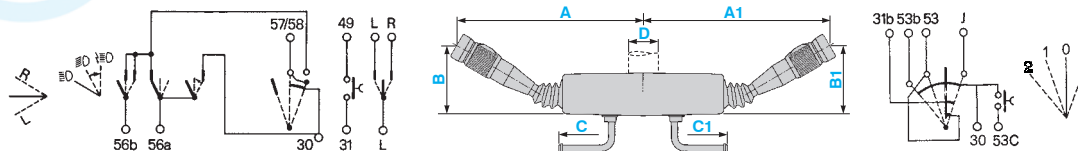
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
F	8A	4A
N	8A	4A
R	8A	4A
	8A	4A
	8A	4A
	3A	1,5A
	5A	2,5A
	5A	2,5A
	5A	2,5A
KD	3A	1,5A
	7A	3,5A
	7A	3,5A
	7A	3,5A



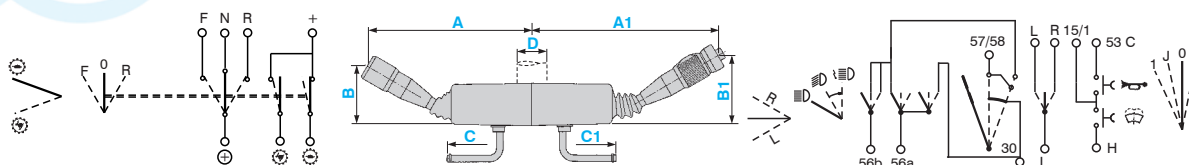
154



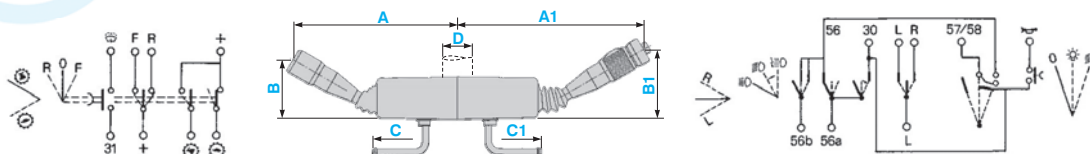
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.570.000	220	78		01.570.500	F R	Ø 45		247	96		01.570.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1071.0000	247	96		01.1071.0500		Ø 45		247	96		01.1071.0600

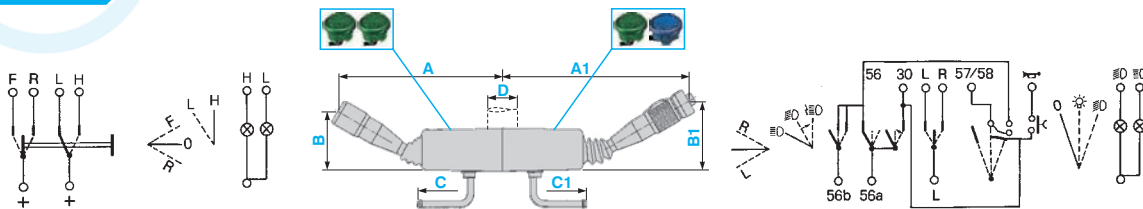


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.386.000	210	78		01.386.600	FNR 	Ø 38		247	96		01.386.500



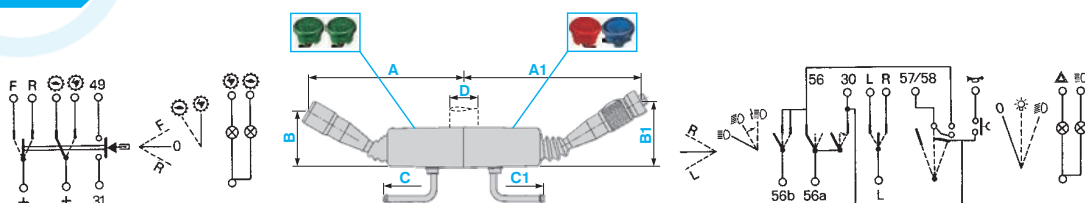
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.457.000	234	85		01.457.600	FR 	Ø 45		247	96		01.457.500

063

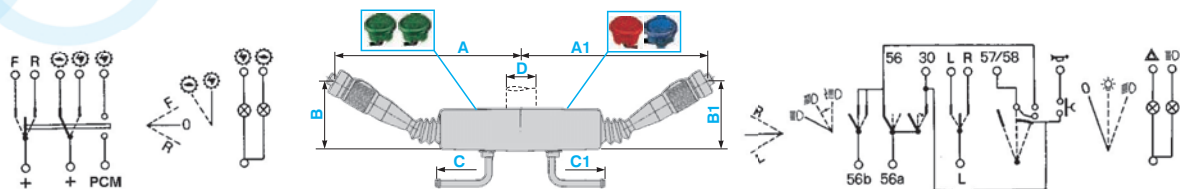


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.330.000	222	78		01.330.500	FR 09.180.044 09.180.043	Ø 45	 09.180.035 09.180.031	247	96		01.330.600

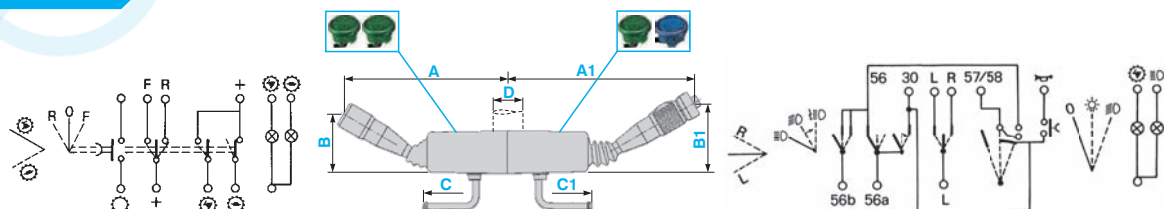
014



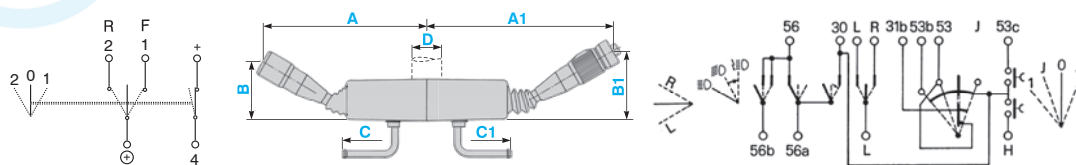
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.499.000	234	85		01.294.500	FR 09.180.029 09.180.028	Ø 38	 09.180.030 09.180.031	248	92		01.294.600
01.294.000	234	85		01.294.500	FR 09.180.029 09.180.028	Ø 45	 09.180.030 09.180.031	248	92		01.294.600
01.379.000	234	85		01.379.500	FR 09.180.029 09.180.028	Ø 45	 09.180.030 09.180.031	247	96		01.379.600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.551.000	256	95		01.551.500	FNR 09.180.029 09.180.028	Ø 45	 09.180.030 09.180.031	247	96		01.551.600

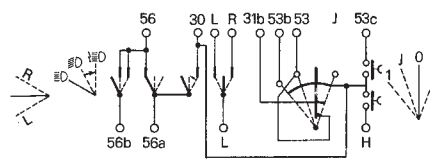
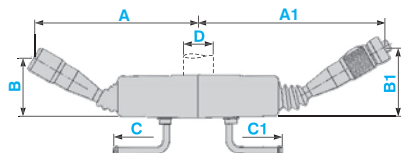
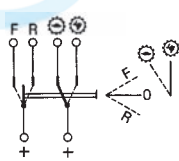


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.354.000	234	85		01.354.500	FR 09.180.029 09.180.028	Ø 45	 09.180.029 09.180.031	247	96		01.354.600



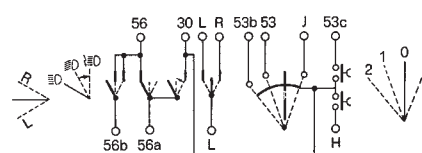
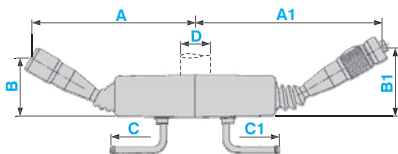
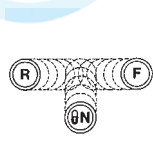
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1054.0000	220	78		01.1054.0600	FR 	Ø 45		247	96		01.1054.0500

006



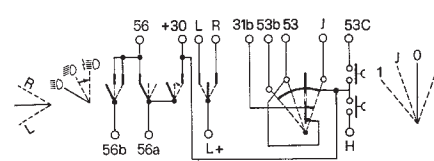
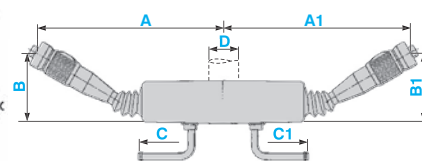
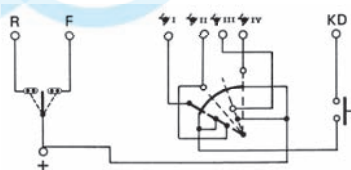
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.252.000	220	78		01.252.600	FR	Ø 45		247	96		01.252.500
01.468.000	220	78		01.468.600	FR	Ø 38		247	96		01.468.500

007



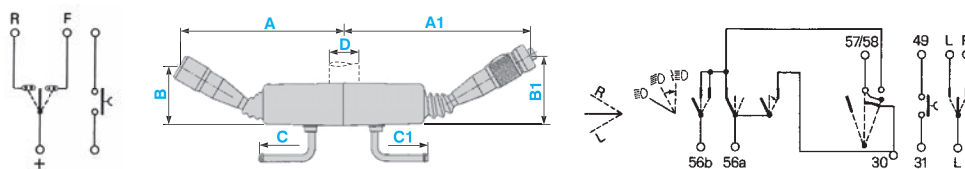
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.290.000	222	78		01.290.600	FNR	Ø 38		248	92		01.290.500

073



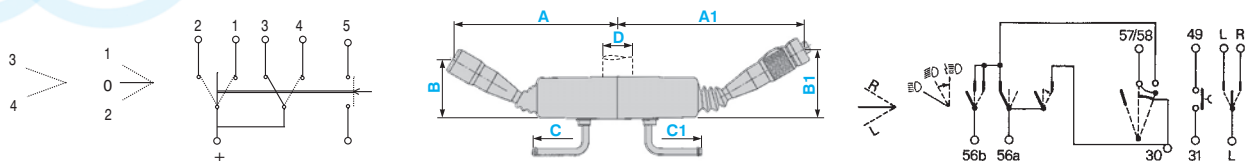
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.339.000	267	95		01.339.600	FR KD	Ø 45		247	96		01.339.500

227



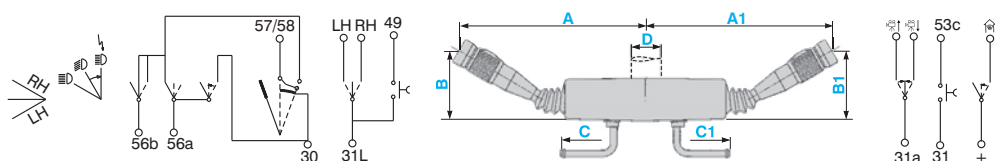
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0793.0000	234	85		01.0793.0600	F R	Ø 45		260	65		01.0793.0500

228

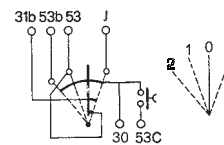
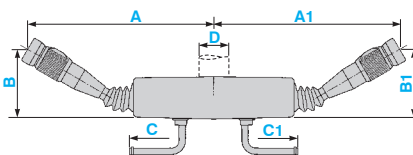


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0794.0000	234	85		01.0794.0600	F R	Ø 45		260	65		01.0793.0500

272



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0933.0000	240	95		01.0933.0500	F R	Ø 45		240	95		01.0933.0600

149

- **Serie 240** fissaggio a piantone sterzo
**DEVIUGUIDA COMANDO LUCI +
INVERSOE MARCIA AVANTI-NEUTRO-INDIETRO**
Variatore di velocità / Accensione luci interne-esterne: Ruotando pomello leva
Leva interna: Metallica
Rivestimento leva: ABS o poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Lega di alluminio verniciata nera
Cavo di collegamento: Disponibile con diversi tipi di connessione
Contatti elettrici inversore: Frontali in aria
Montaggio: Applicabile a piantoni di diverso diametro



• **Series 240**

steering column mounting
LIGHT CONTROL SWITCH +

Speed control / Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

Lever covering: *ABS or polyamide + Function symbols*

Cap: Black neoprene rubber

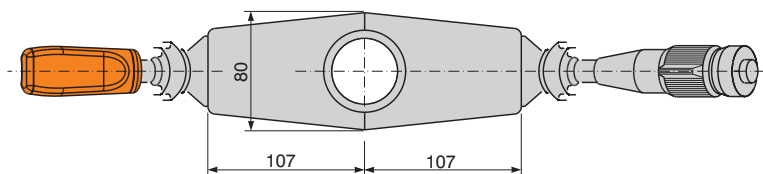
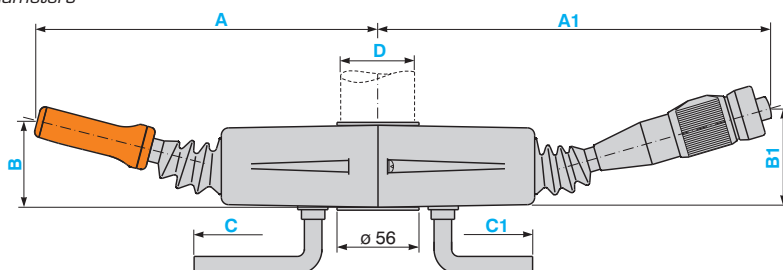
Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

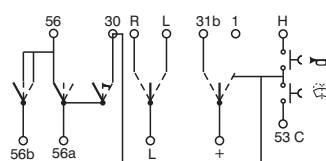
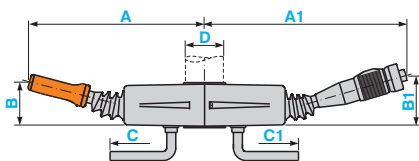
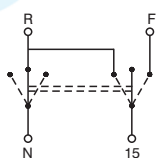
Shifter electrical contacts: *Butt contacts*

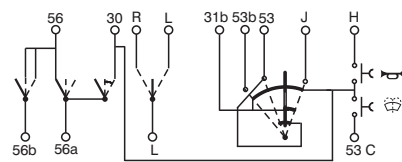
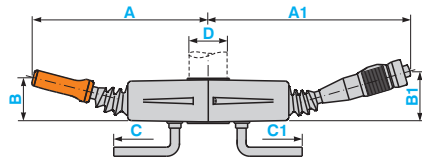
Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
	5A	3A	F	2A	1A
	6,5A	4,5A	N	5A	3A
	7A	5A	R	5A	3A
	5A	3A			
	7A	5A			
	7A	5A			
	1,8A	1A			
	8A	5A			
	9A	6A			
	5A	3A			



191

[illegible]

151

MICROSWITCH

Variatore di velocità / Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: ABS o poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici inversore: Microswitch

Montaggio: Applicabile a piantoni di diverso diametro



• **Series 240**

steering column mounting

LIGHT CONTROL SWITCH +

FORWARD NEUTRAL-REVERSE SHIFTER

Speed control / Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

Lever covering: *ABS or polyamide + Function symbols*

Cap: Black neoprene rubber

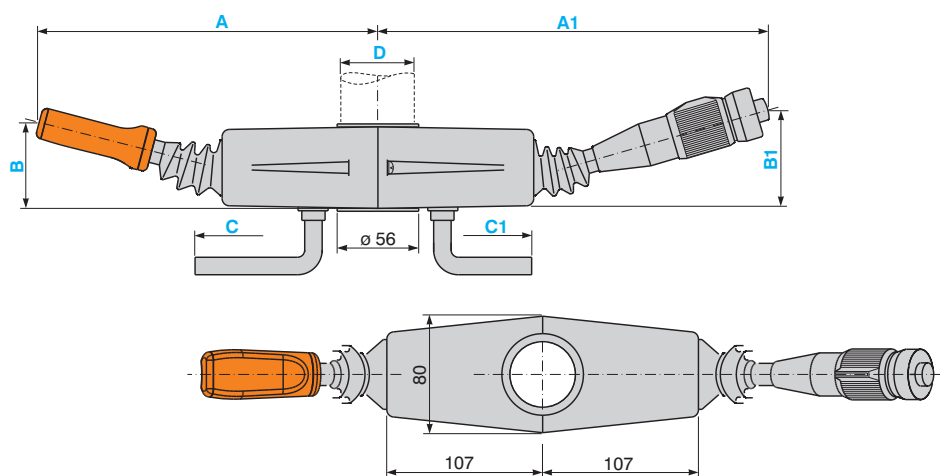
Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

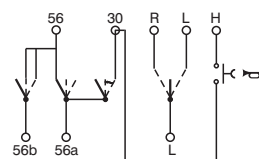
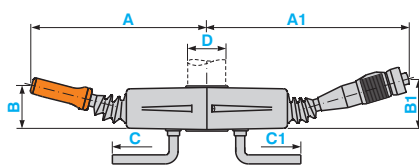
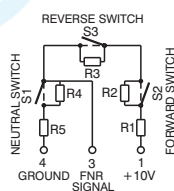
Shifter electrical contacts: *Microswitch*

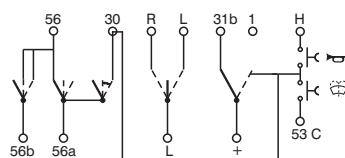
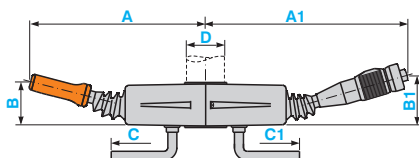
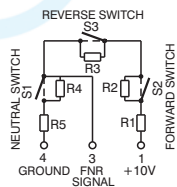
Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD
	12V	24V		8V - DC
	5A	3A	F	5-100mA
	6,5A	4,5A	N	5-100mA
	7A	5A	R	5-100ma
	5A	3A		
	7A	5A		
	7A	5A		
	1,8A	1A		
	8A	5A		
	9A	6A		
	5A	3A		

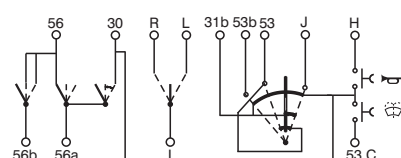
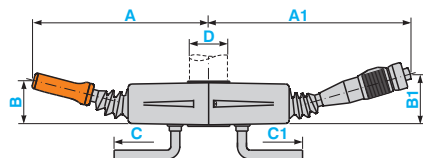
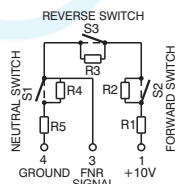


193

[illegible]



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0697.0000	230	60		01.0691.0600	FNR	Ø 45		265	65		01.0697.0700



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0691.0000	230	60		01.0691.0600	FNR	Ø 45		265	65		01.0678.0500

• Serie 240 fissaggio a piantone sterzo DEVIAGUIDA + INVERSOIRE + VARIATORE DI VELOCITÀ

Variatore di velocità / Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici inversore: Microswitch

Montaggio: Applicabile a piantoni di diverso diametro

• Serie 240

steering column mounting

SWITCH + SHIFTER + SPEED CONTROL

Speed control /

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

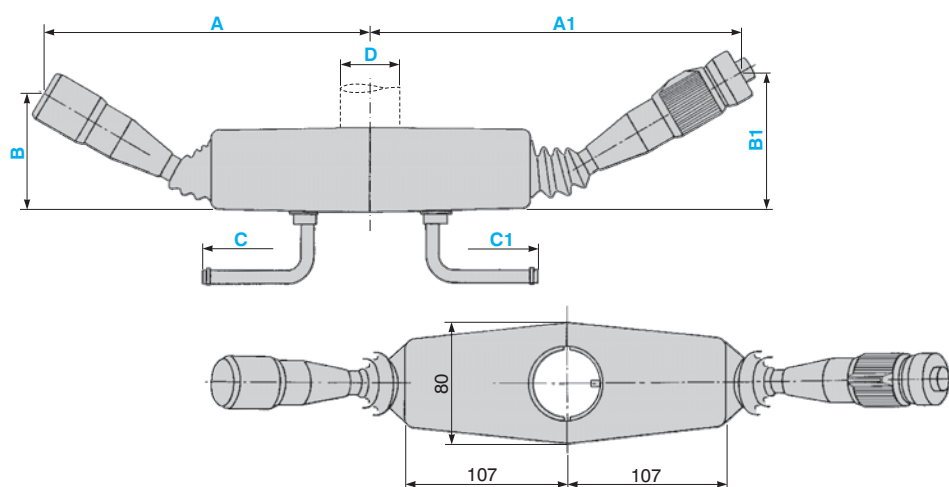
Shifter electrical contacts: Microswitch

Setting: Designed for steering columns of different diameters

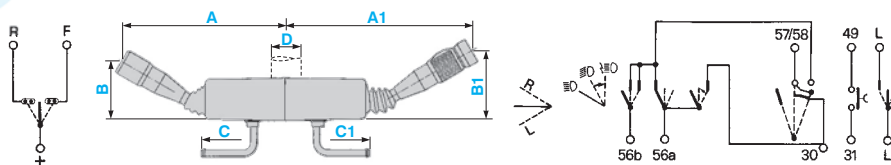


FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	9A	6A
	5A	3A
	1,8A	1A
	8A	5A
	5A	3A

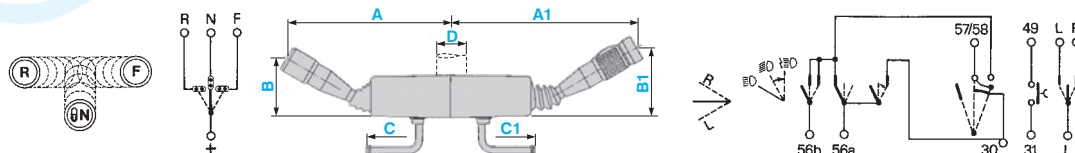
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
F	2A	1A
N	5A	3A
R	5A	3A
	2A	1A
	2A	1A
	3A	2A
	5A	3A
I	2A	1A
II	2A	1A
III	2A	1A
HLD	2A	1A
Km/h	5A	3A



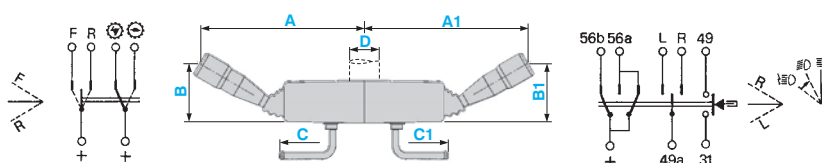
105



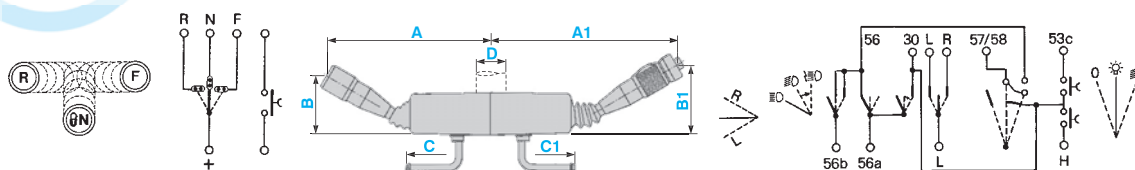
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.410.000	222	78		01.410.600	F R	Ø 38		247	96		01.410.500
01.0975.0000	210	103		01.0975.0600	F R	Ø 45		242	96		01.0975.0500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.442.000	230	56		01.442.600	FNR 	Ø 45		260	65		01.442.500



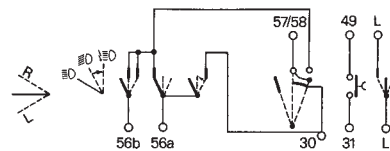
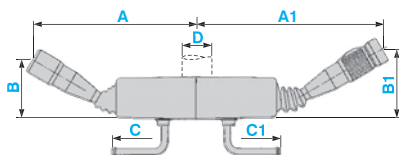
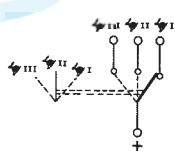
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.362.000	222	78		01.362.500	FR 	Ø 38		234	85		01.362.600



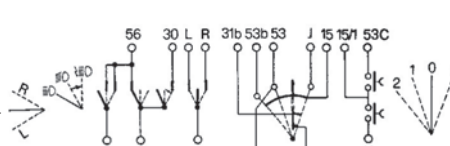
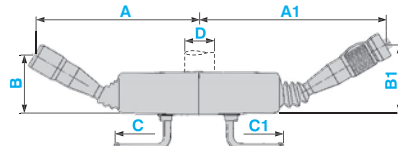
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.336.000	234	85		01.336.600	FNR 	Ø 38		248	96		01.336.500

Technical drawing of a 3D printed part, likely a connector or sensor housing. The drawing includes a perspective view with dimensions: B (total length), D (central section length), A (left arm length), $A1$ (right arm length), C (left arm width), and $B1$ (right arm width). Two inset images show the part in green and red/blue. To the left, a wiring diagram shows connections for F, R, $\ominus$, $\oplus$, 49, and 31. To the right, a detailed wiring diagram shows connections for 56, 30, L, R, 57/58, 56b, 56a, and L. A small diagram at the bottom right shows a connection for $\oplus$ and $\ominus$.

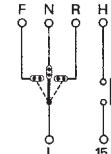
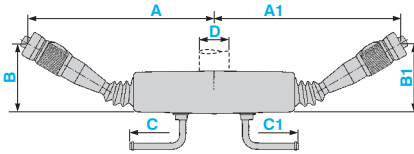
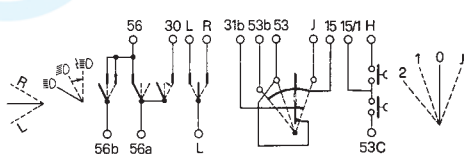
[illegible]



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.305.000	222	78		01.305.600		Ø 45		248	92		01.305.500

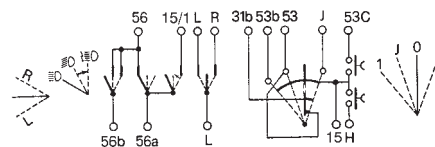
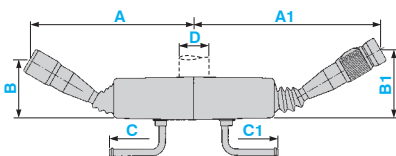
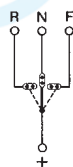


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.419.000	222	78		01.419.500	FNR 	Ø 38		247	96		01.419.600
01.0877.0000	222	78		01.419.500	FNR 	Ø 45		247	96		01.419.600



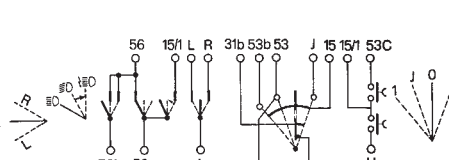
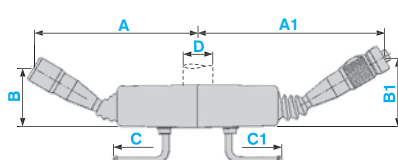
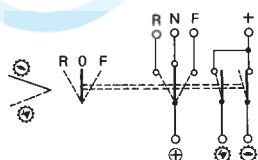
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1055.0000	259	65		01.1055.0500		Ø 45	FNR Km/h	267	68		01.1055.0600

316



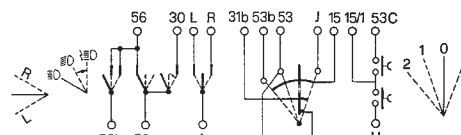
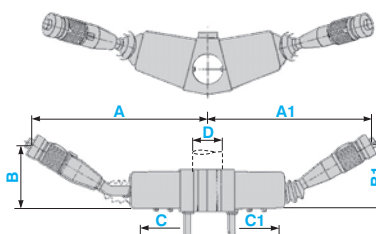
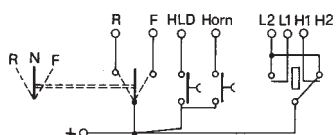
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1030.0000	222	78		01.1030.0600	FNR 	Ø 45		247	96		01.1030.0500

062

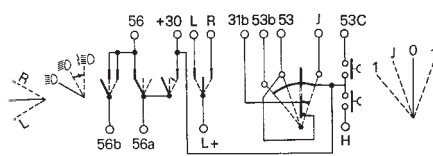
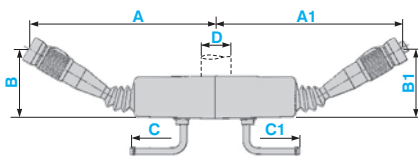
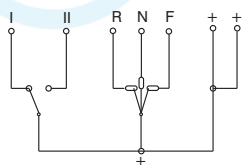


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.314.000	222	78		01.314.600	FNR 	Ø 45		247	96		01.314.500

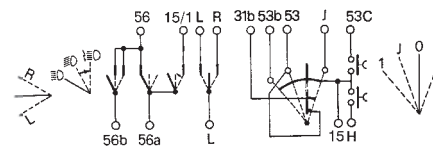
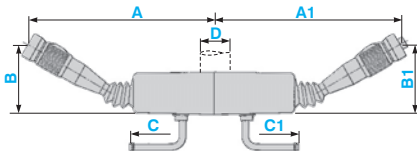
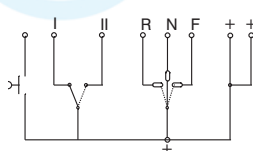
076



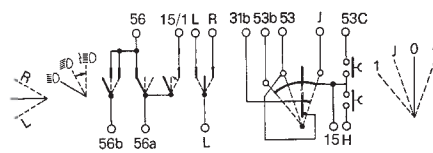
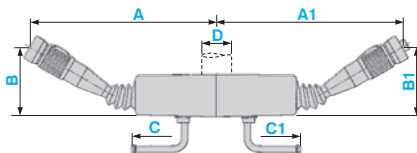
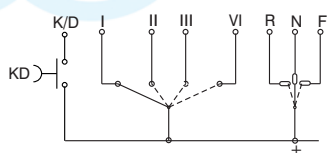
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.385.000	240	98		01.385.500	F R HLD 	Ø 45		237	100		01.385.600



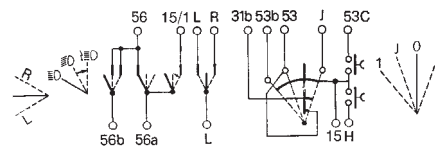
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0970.0000	247	96		01.0890.0000	FNR I II	Ø 45		247	96		01.0970.0500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0978.0000	247	96		01.0978.0600	FNRKD I II	Ø 45		247	96		01.0978.0500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1025.0000	247	96		01.1025.0600	FNRKD I II III IV	Ø 45		247	96		01.0978.0500



01.0979.0000

MICROSWITCH

Variazione dei velocità/Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici inversore: Microswitch

Montaggio: Applicabile a piantoni di diverso diametro



• **Series 240** steering column mounting
SWITCH + FORWARD-REVERSE
SHIFTER WITH MICROSWITCH + SPEED CONTROL

Speed control/Interior-exterior lights ignition: Turning lever knob

Interior lever: *Metallic*

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

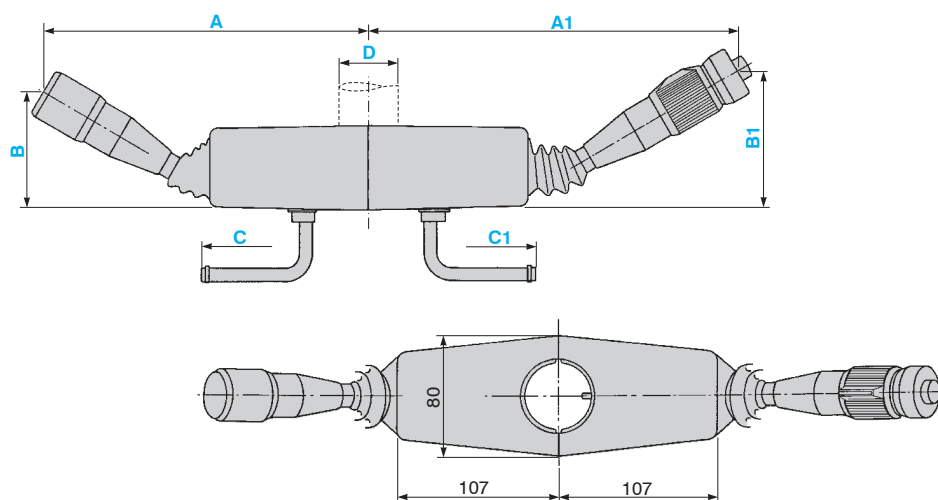
Protection container: Black aluminium alloy

Connection cable: Available with different kinds of connection

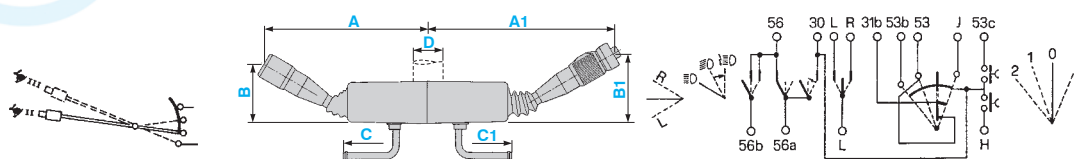
Shifter electrical contacts: *Microswitch*

Setting: Designed for steering columns of different diameters

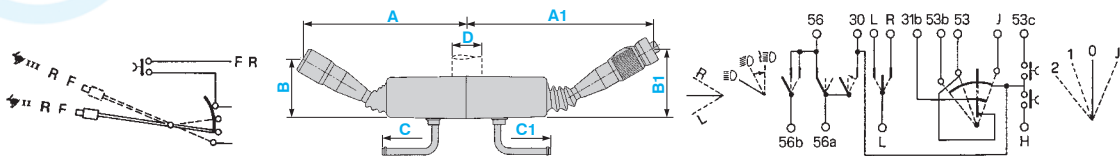
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
F	2A	1A		5A	3A
R	2A	1A		6,5A	4,5A
 I	2A	1A		7A	5A
 II	2A	1A		7A	5A
 III	2A	1A		7A	5A
				5A	3A



075

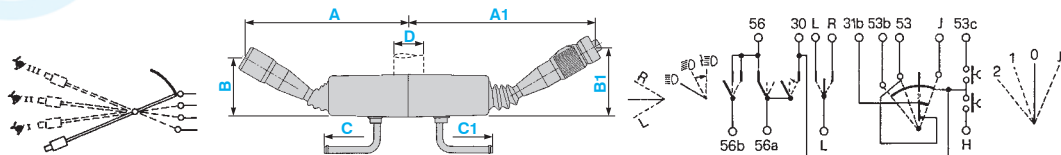
[illegible]

058



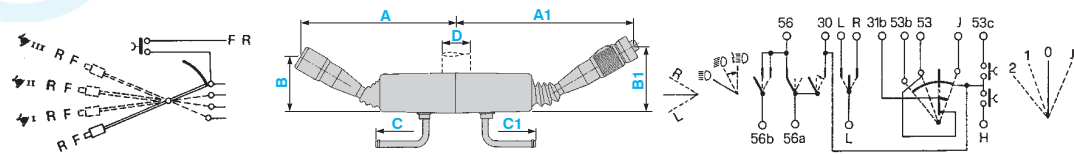
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.310.000	233	82		01.310.600	F R 	Ø 45		260	65		01.309.500

074



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.402.000	233	82		01.402.600	I II III 	Ø 38		260	65		01.402.500
01.374.000	233	82		01.374.600	I II III 	Ø 45		260	65		01.309.500

057



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.309.000	233	82		01.309.600	F R 	Ø 45		260	65		01.309.500

• Serie 240 **fissaggio a piantone sterzo** **DEVIAGUIDA + INVERSORE MARCIA AVANTI-INDIETRO CON** **MICROSWITCH + VARIATORE DI VELOCITÀ**

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Lega di alluminio verniciata nera

Cavo di collegamento: Disponibile con diversi tipi di connessione

Contatti elettrici inversore: Microswitch

Montaggio: Applicabile a piantoni di diverso diametro

• **Series 240** **steering column mounting** **SWITCH + FORWARD-REVERSE SHIFTER** **WITH MICROSWITCH + SPEED CONTROL**

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Black aluminium alloy

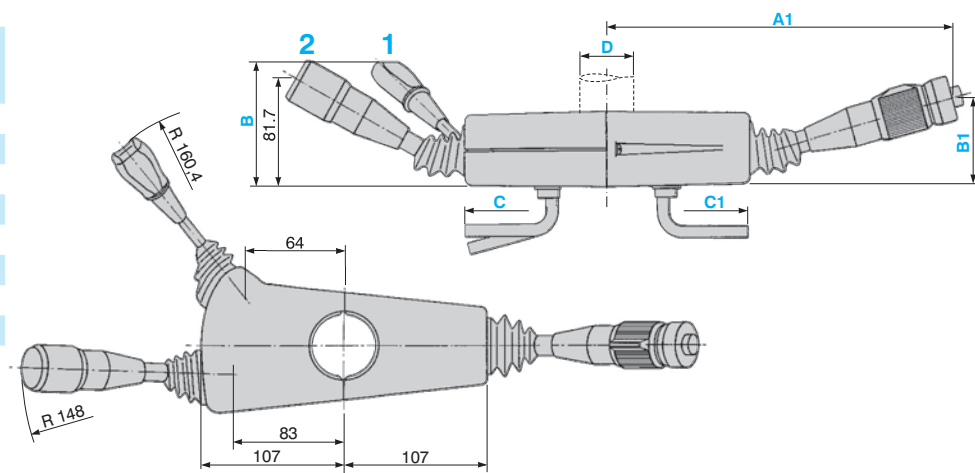
Connection cable: Available with different kinds of connection

Shifter electrical contacts: Microswitch

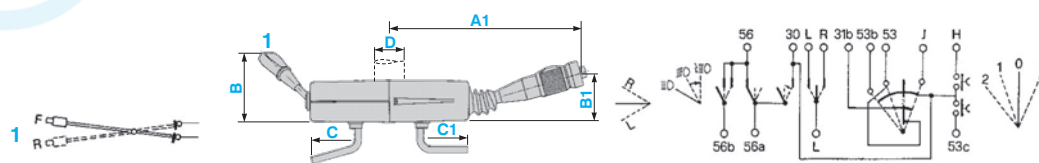
Setting: Designed for steering columns of different diameters



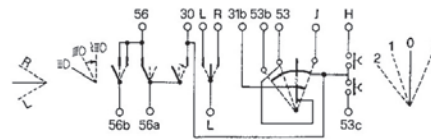
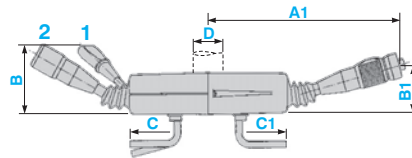
FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD		FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V		12V	24V
F	2A	1A		5A	3A
R	2A	1A		6,5A	4,5A
I	2A	1A		7A	5A
II	2A	1A		7A	5A
III	2A	1A		7A	5A
				5A	3A



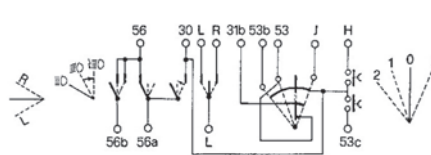
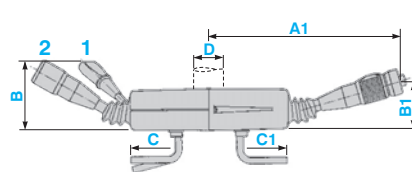
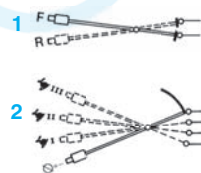
108



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.384.000		90,4		01.384.600	1 F R	Ø 45	 	260	65		01.381.500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.382.000		90,4		01.392.600	1 F R 0 2 II III	Ø 45		260	65		01.381.500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.381.000		90,4		01.381.600	1 F R 0 2 I II III	Ø 45		260	65		01.381.500

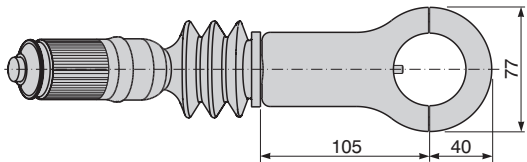
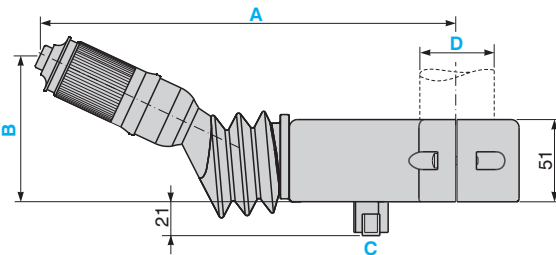
• **Serie 2000** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI

Accensione luci interne-esterne: Ruotando pomello leva
Leva interna: Metallica
Rivestimento leva: Poliammide + simboli funzioni
Cuffia: Gomma neoprene nera
Contenitore di protezione: Poliammide
Connessione: Adatta per connettori Deutsch (serie DT)
Montaggio: Applicabile a piantoni di diverso diametro

• **Series 2000** steering column mounting
LIGHT CONTROL SWITCH

Interior-exterior lights ignition: Turning lever knob
Interior lever: Metallic
Lever covering: Polyamide + Function symbols
Cap: Black neoprene rubber
Protection container: Polyamide
Connection: Designed for Deutsch connectors (DT series)
Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	3A	1,5A
	6A	3A
	6A	3A
	6A	3A
	6A	3A
	3A	1,5A
	3A	1,5A
	3A	1,5A
	3A	1,5A



CONNETTORI MASCHIO DEUTSCH (SERIE DT)
DEUTSCH MALE CONNECTORS (DT SERIES)



30.16.06713 DT 06 4.S
kit di connessione DEUTSCH 4 vie
connection kit 4 pins DEUTSCH
27.0907.0000



30.16.06318 DT 06 6.S
kit di connessione DEUTSCH 6 vie
connection kit 6 pins DEUTSCH
27.0862.0000



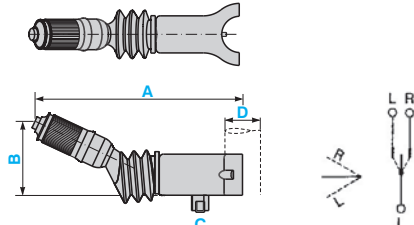
30.16.06324 DT 06 12.S
kit di connessione DEUTSCH 12 vie
connection kit 12 pins DEUTSCH
27.0910.0000



30.16.06008

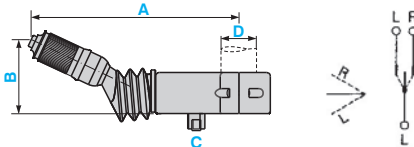


118



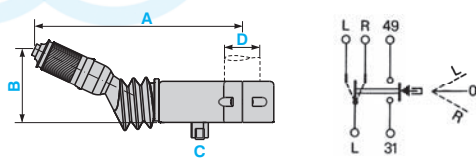
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.474.000	248	86			Ø 55

118



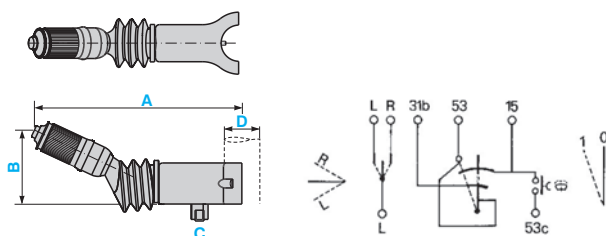
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.0898.0000	248	86			Ø 45

024



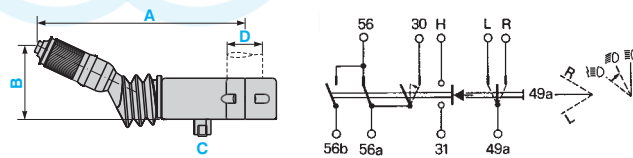
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0990.0000	240	58	 30.16.06324 DT 06 12.S			Ø 45

120



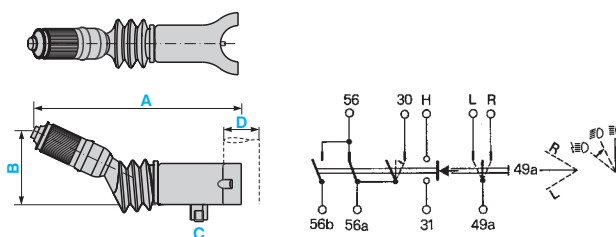
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.476.000	252	88	 30.16.06324 DT 06 12.S			Ø 55

037



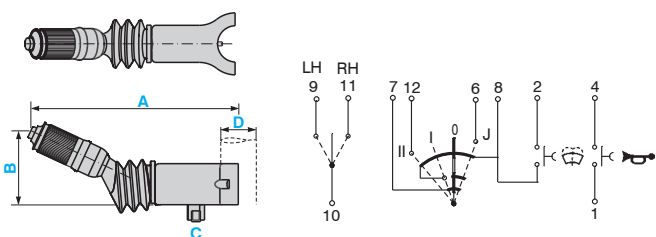
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.560.000	253	88	 30.16.06324 DT 06 12.S			Ø 38
01.0593.0000	247	30	 30.16.06324 DT 06 12.S			Ø 47,5
01.0646.0000	254	88	 30.16.06324 DT 06 12.S			Ø 45
01.0790.0000	250	30	 30.16.06324 DT 06 12.S			Ø 48
01.0792.0000 SIMBOLI SERIGRAFATI SUL CORPO SILK-SCREEN PRINTED ICONS ON THE HOUSING	254	88	 30.16.06324 DT 06 12.S			Ø 48

037



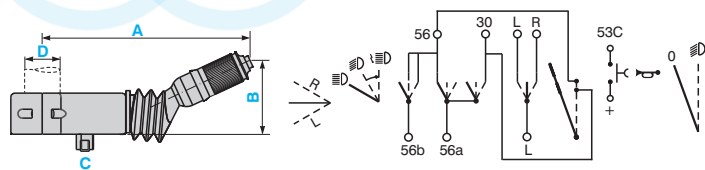
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0635.0000	253	88	 30.16.06324 DT 06 12.S			Ø 48

327



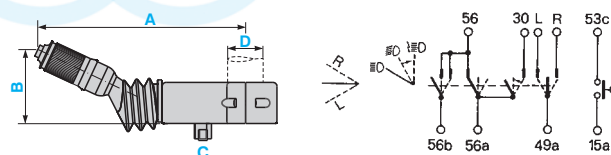
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1131.0000	243	62	 30.16.06324 DT 06 12.S			Ø 45

143



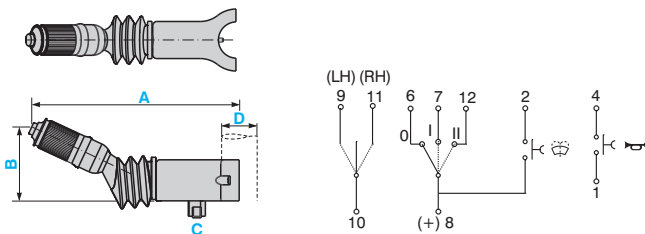
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0626.0000	258	90	 30.16.06324 DT 06 12.S			Ø 45

071

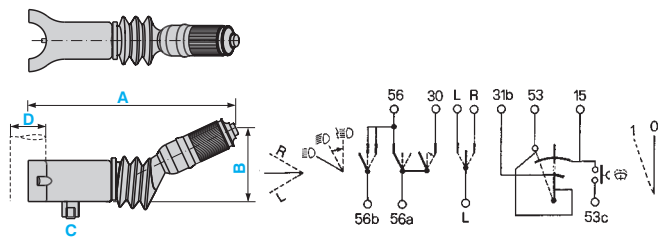


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0817.0000	292	88	 30.16.06324 DT 06 12.S			Ø 45
01.1085.0000	292	88	 30.16.06324 DT 06 12.S			Ø 45

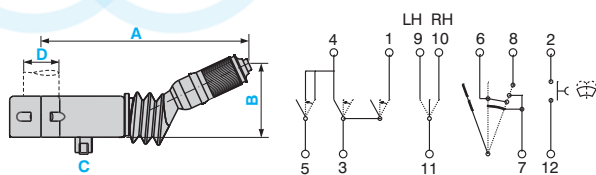
281



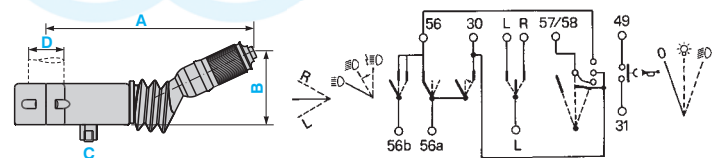
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0971.0000	243	62	 30.16.06324 DT 06 12.S			Ø 45



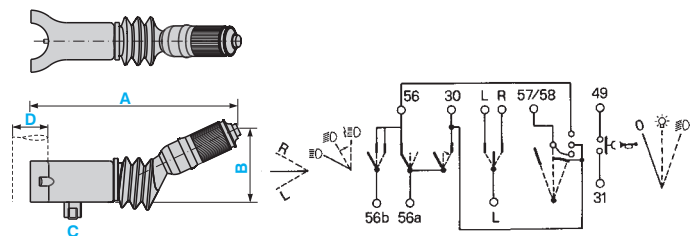
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.475.000	252	88				Ø 55



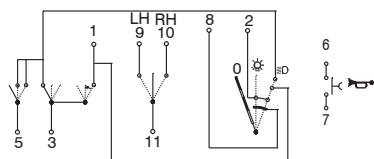
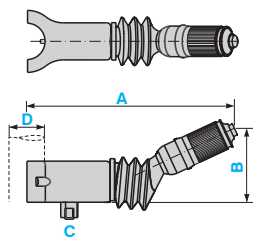
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0770.0000	220	74				Ø 38
01.0959.0000	220	74				Ø 45

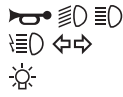


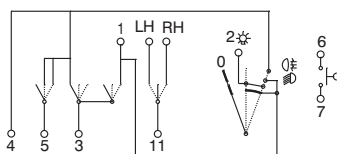
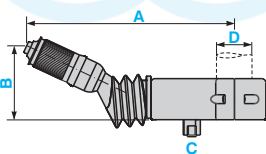
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.514.000	255	88				Ø 38
01.534.000	253	88				Ø 45

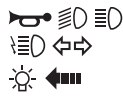


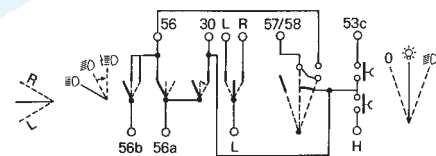
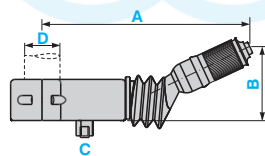
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0883.0000	253	88				Ø 38



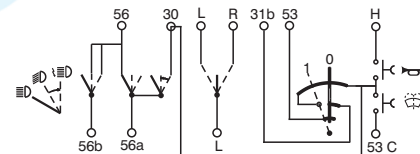
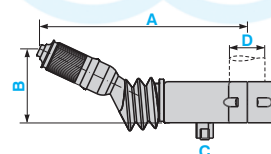
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.1133.0000	236	84	 30.16.06324 DT 06 12.S	 	Ø 45



P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.0653.0000	254	88	 30.16.06324 DT 06 12.S	 	Ø 45
01.0974.0000	254	88	 30.16.06324 DT 06 12.S	 	Ø 45

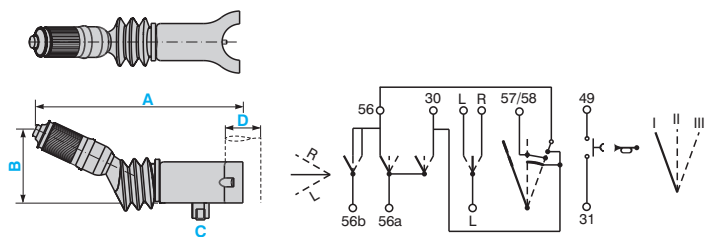


P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.455.000	257	90	 30.16.06324 DT 06 12.S	 	Ø 45



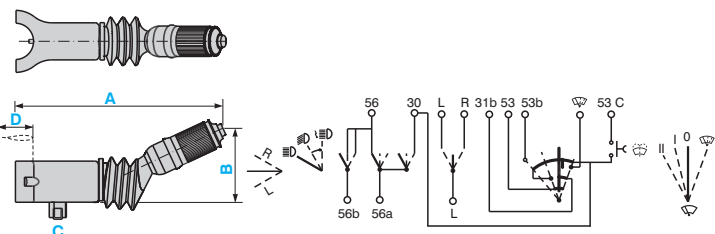
P/N	A	B	C	FUNZIONI FUNCTIONS	D
01.0679.0000	258	90	 30.16.06324 DT 06 12.S	 	Ø 45
01.1136.0000	240	86	 30.16.06324 DT 06 12.S	 	Ø 45

170



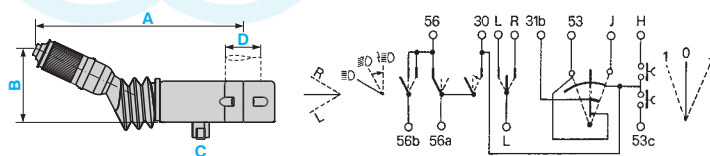
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.556.000	253	88	 30.16.06324 DT 06 12.S			Ø 45

148



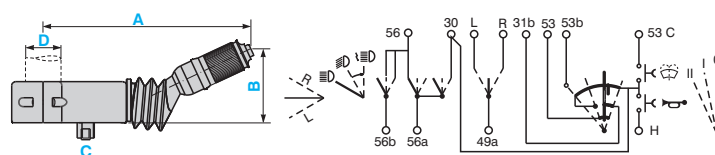
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0648.0000	254	88	 30.16.06324 DT 06 12.S			Ø 45

131



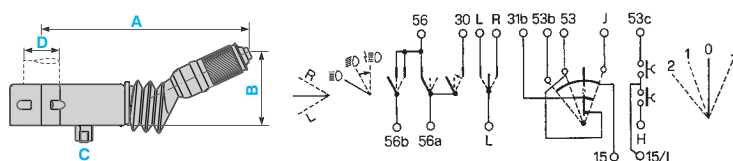
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.503.000	257	90	 30.16.06324 DT 06 12.S			Ø 38
01.0754.0000	257	90	 30.16.06324 DT 06 12.S			Ø 45

180

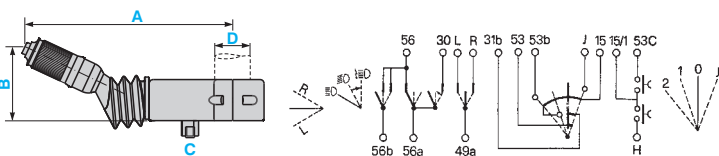


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.535.000	258	90	 30.16.06324 DT 06 12.S			Ø 45

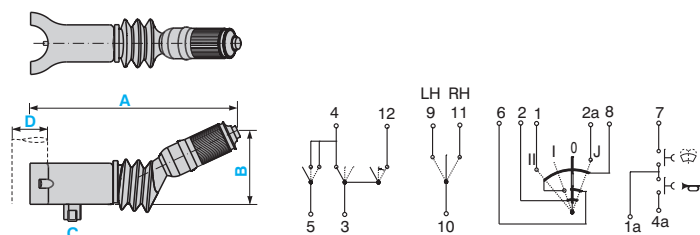
081



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.530.000	258	90	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0846.0000 SIMBOLO TERGICRISTALLO SU MANOPOLA WINDSHIELD WIPER ICON ON THE KNOB	261	87	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45
01.1120.0000 SIMBOLO TERGICRISTALLO SU MANOPOLA WINDSHIELD WIPER ICON ON THE KNOB	261	87	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 56
01.0845.0000 SIMBOLO TERGICRISTALLO SU MANOPOLA WINDSHIELD WIPER ICON ON THE KNOB	261	87	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45
01.473.000	261	87	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45
01.481.000	261	87	   30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 56
01.0647.0000	240	86	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45
01.0621.0000	258	90	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45
01.0767.0000	297	90	  30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S			Ø 45

[illegible]

• Serie 2000 **fissaggio a piantone sterzo** **INVERSOE MARCIA AVANTI-NEUTRO-INDIETRO + VARIATORE DI VELOCITÀ**

Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Contatti elettrici: Frontali in aria

Connessione: Adatta per connettore Deutsch (serie DT)

Montaggio: Applicabile a piantoni di diverso diametro



• **Series 2000 steering column mounting** **FORWARD-NEUTRAL-REVERSE + SPEED CONTROL**

Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

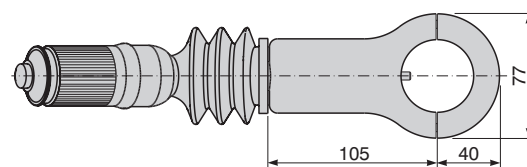
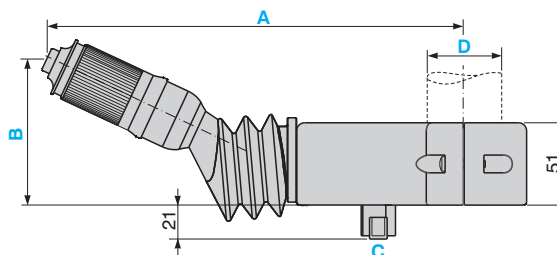
Electrical contacts: Butt contacts

Connection: Designed for Deutsch connectors (DT series)

Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
	3A	1,5A
	6A	3A
	6A	3A
	6A	3A
	6A	3A

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
F	200mA	100mA
N	200mA	100mA
R	200mA	100mA
	200mA	100mA
	200mA	100mA
	200mA	100mA
	200mA	100mA
KD	3A	1,5A
SWITCH	3A	1,5A
	3A	1,5A



CONNETTORI MASCHIO DEUTSCH (SERIE DT) DEUTSCH MALE CONNECTORS (DT SERIES)



30.16.06713 DT 06 4.S

kit di connessione DEUTSCH 4 vie
connection kit 4 pins DEUTSCH
27.0907.0000



30.16.06318 DT 06 6.S

kit di connessione DEUTSCH 6 vie
connection kit 6 pins DEUTSCH
27.0862.0000



30.16.06324 DT 06 12.S

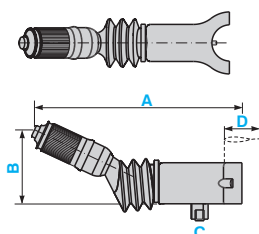
kit di connessione DEUTSCH 12 vie
connection kit 12 pins DEUTSCH
27.0910.0000



30.16.06008

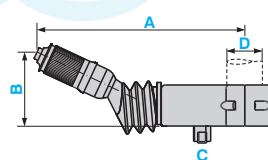


012

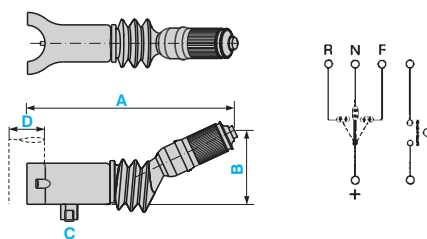


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0873.0600	256	58			FNR 	Ø 45

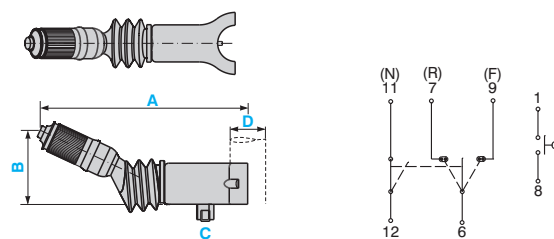
012



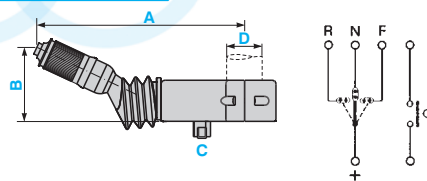
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0706.0000	246	85			FNR 	Ø 45
01.0709.0000	246	85			FNR 	Ø 45

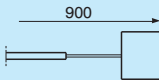


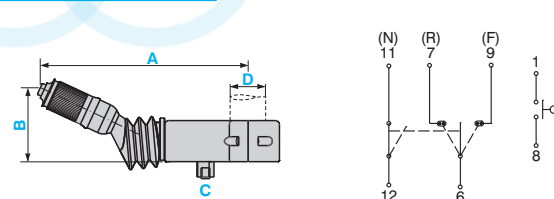
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0710.0000	252	85	 30.16.06318 DT 06 6.S		F N R 	Ø 55



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0957.0000	262	88	 30.16.06324 DT 06 12.S		F N R 	Ø 45
01.1024.0600	240	58	 30.16.06324 DT 06 12.S		F N R SWITCH 	Ø 45
01.1074.0600	240	58	 30.16.06324 DT 06 12.S		F N R SWITCH 	Ø 45

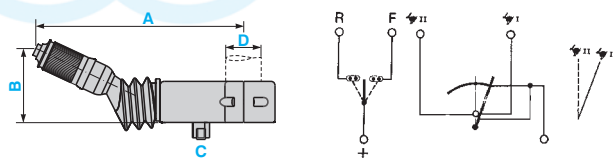


P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0755.0000	262	58	 30.16.06318 DT 06 6.S		F N R 	Ø 56
01.0781.0000	272	84	 900		F N R SWITCH	Ø 45



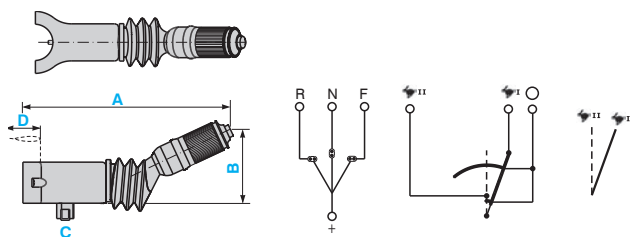
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1024.0800	240	58	 30.16.06324 DT 06 12.S		F N R SWITCH	Ø 45
01.1111.0000	240	58	 30.16.06324 DT 06 12.S		F N R 	Ø 45
01.1074.0800	240	58	 30.16.06324 DT 06 12.S		F N R SWITCH 	Ø 45

134



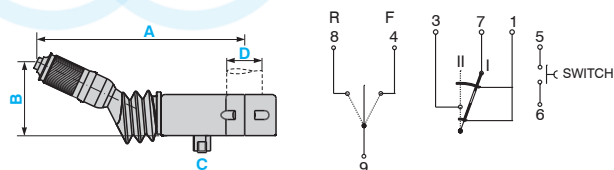
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0726.0000	252	88	 30.16.06318 DT 06 6.S		F R ↖ I ↗ II	Ø 38

259



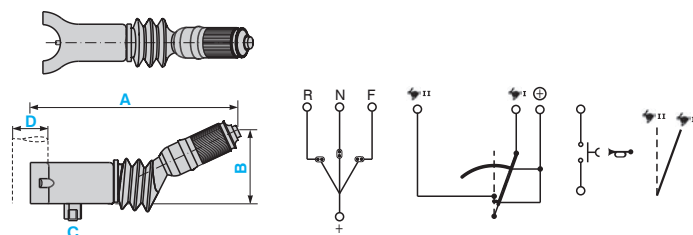
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0882.0000	262	58	 30.16.06324 DT 06 12.S		F N R ↖ I ↗ II	Ø 38

264



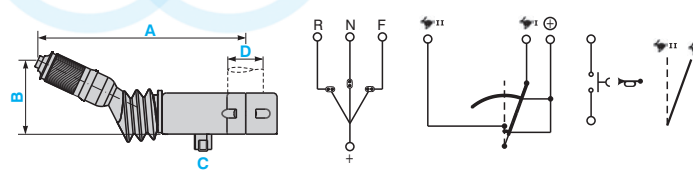
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0905.0000	240	58	 30.16.06324 DT 06 12.S		F R ↖ I ↗ II SWITCH	Ø 45

171



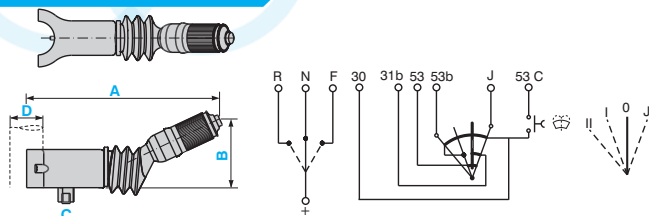
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0734.0000	252	86	 30.16.06324 DT 06 12.S		F N R ↖ I ↗ II	Ø 45

171



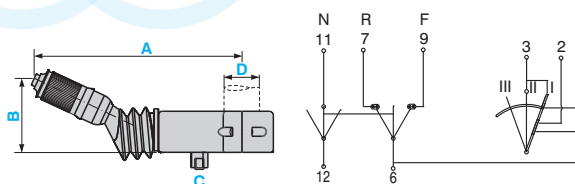
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0820.0000	262	58	 30.16.06324 DT 06 12.S		F N R ↖ I ↗ II	Ø 38

150



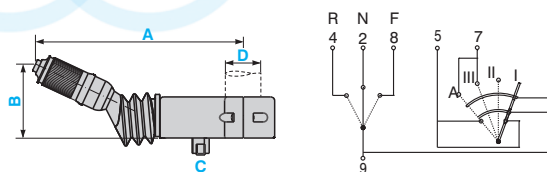
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0732.0000	261	59	 30.16.06324 DT 06 12.S		F N R 	Ø 45

260



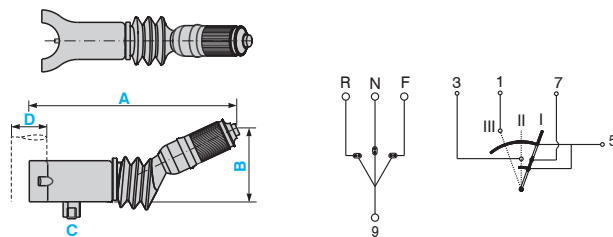
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0886.0000	262	58	 30.16.06324 DT 06 12.S		F N R 	Ø 38
01.0992.0000 DIFFERISCE DA 01.0886.0000 PER SERIEGRAFIA CON NUMERI ARABI IT DIFFERS FROM 01.0886.0000 IN ICONS WITH ARABIC NUMBERS	262	58	 30.16.06324 DT 06 12.S		F N R 	Ø 38

222



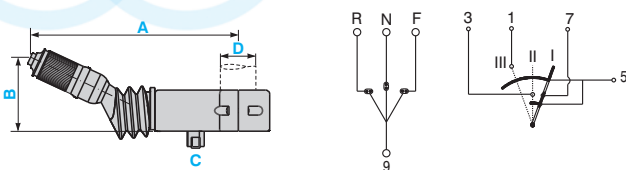
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0773.0000	246	80	 30.16.06324 DT 06 12.S		F N R 	Ø 45

238



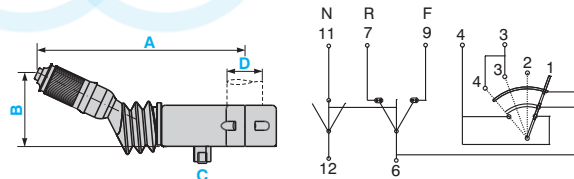
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.1043.0000	240	58	 30.16.06324 DT 06 12.S		F N R 	Ø 45

238



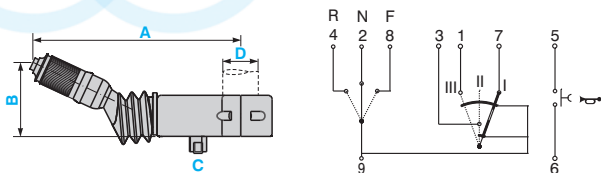
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0822.0000	246	80	 30.16.06324 DT 06 12.S		F N R 	Ø 45

295



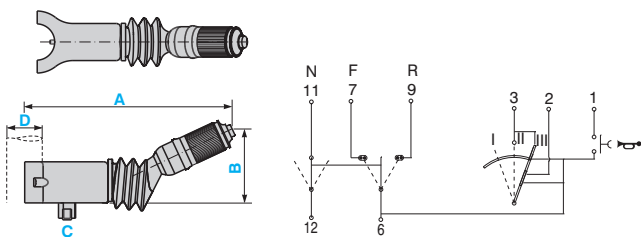
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0991.0000	262	58	 30.16.06324 DT 06 12.S		F N R 	Ø 38

244



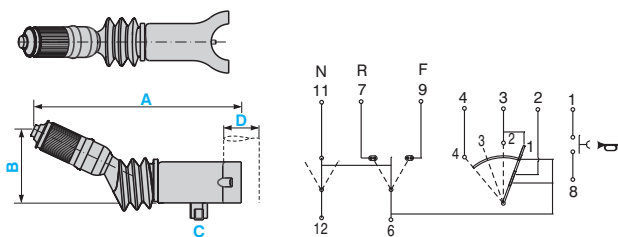
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0835.0000	262	58	 30.16.06324 DT 06 12.S		FNR  I  II  III	Ø 38

245



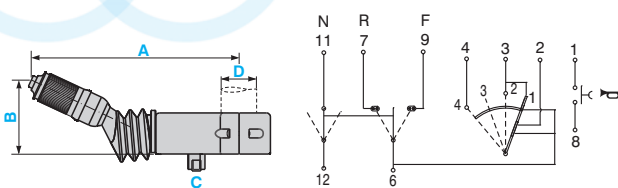
P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0836.0000	260	58	 30.16.06324 DT 06 12.S		FNR  I  II  III	Ø 45

257



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0871.0600	262	58	 30.16.06324 DT 06 12.S		FNR  I  II  III  IV	Ø 45
01.0922.0000	262	88	 30.16.06324 DT 06 12.S		FNR  I  II  III  IV	Ø 45

257



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.0871.0800	262	58	 30.16.06324 DT 06 12.S		FNR  I  II  III  IV	Ø 45

[illegible]

• Serie 2000 fissaggio a piantone sterzo DEVIAGUIDA COMANDO LUCI + INVERSOE MARCIA AVANTI-NEUTRO-INDIETRO + VARIATORE DI VELOCITÀ

Variazione di velocità / Accensione luci interne-esterne: Ruotando pomello leva

Leva interna: Metallica

Rivestimento leva: Poliammide + simboli funzioni

Cuffia: Gomma neoprene nera

Contenitore di protezione: Poliammide

Contatti elettrici inversore: Frontali in aria

Connessione: Adatta per connettore

Deutsch (serie DT)

Montaggio: Applicabile a piantoni di diverso diametro



• Series 2000 steering column mounting SWITCHES + FORWARD-NEUTRAL-REVERSE SHIFTER + SPEED CONTROL

Speed control / Interior-exterior lights ignition: Turning lever knob

Interior lever: Metallic

Lever covering: Polyamide + Function symbols

Cap: Black neoprene rubber

Protection container: Polyamide

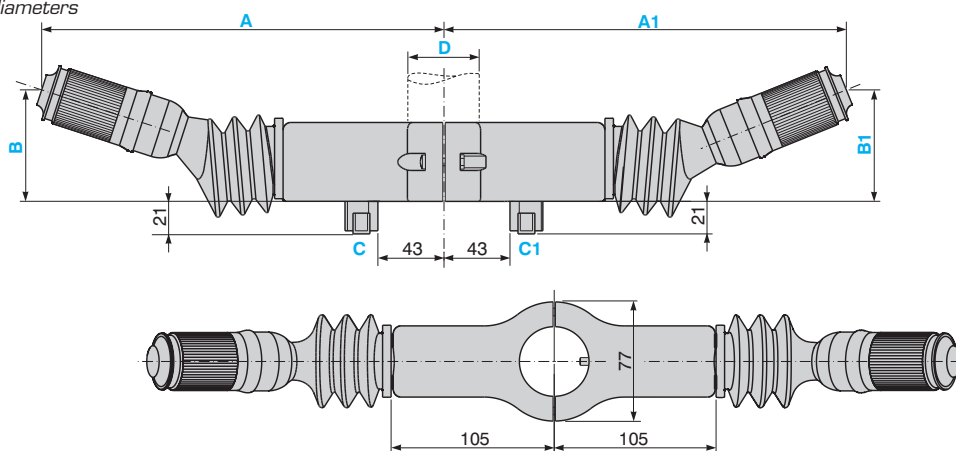
Shifter electrical contacts: Butt contacts

Connection: Designed for Deutsch connectors (DT series)

Setting: Designed for steering columns of different diameters

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
	3A	1,5A
	15A	7A
	6A	3A
	6A	3A
	6A	3A
	3A	1,5A
	3A	1,5A
	3A	1,5A
	3A	1,5A
	3A	1,5A
	3A	35A
	3A	1,5A

FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD 12V	24V
F	200mA	100mA
N	200mA	100mA
R	200mA	100mA
	3A	1,5A
	200mA	100mA
	200mA	100mA
	200mA	100mA
	200mA	100mA
	200mA	100mA
KD	3A	1,5A
Km/h	5A	3A
SWITCH	3A	1,5A



CONNETTORI MASCHIO DEUTSCH (SERIE DT) DEUTSCH MALE CONNECTORS (DT SERIES)



30.16.06713 DT 06 4.S

kit di connessione DEUTSCH 4 vie
connection kit 4 pins DEUTSCH
27.0907.0000



30.16.06318 DT 06 6.S

kit di connessione DEUTSCH 6 vie
connection kit 6 pins DEUTSCH
27.0862.0000



30.16.06324 DT 06 12.S

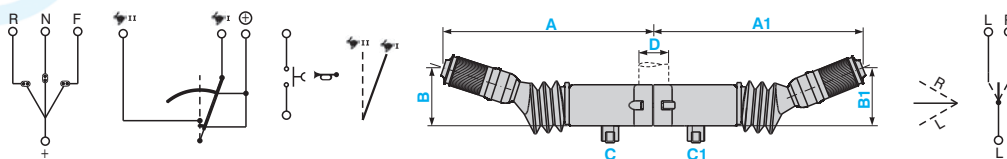
kit di connessione DEUTSCH 12 vie
connection kit 12 pins DEUTSCH
27.0910.0000



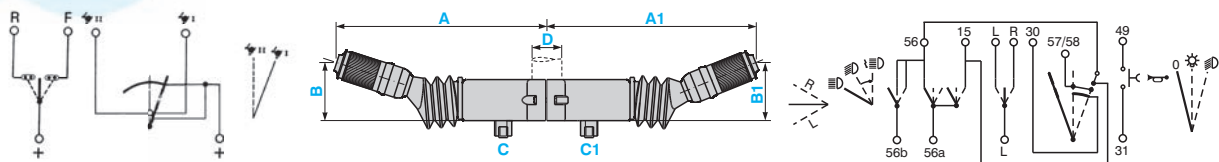
30.16.06008



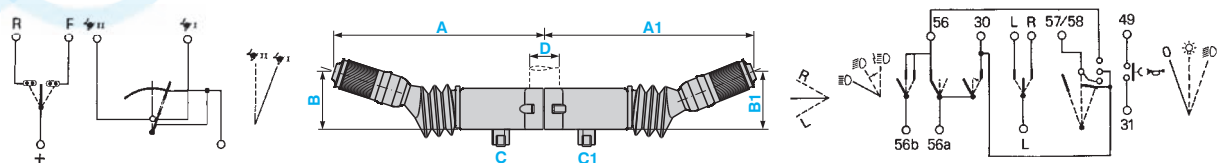
172



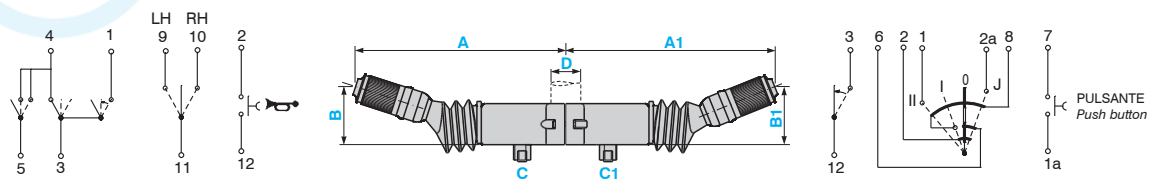
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0735.0000	262	58		01.0735.0600	F N R 	Ø 38		254	88		01.0610.0500



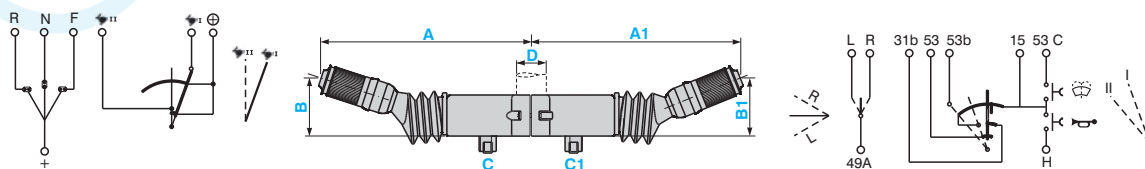
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0736.0000	256	110	 30.16.06318 DT 06 6.S	01.0736.0600	F R I II	Ø 45		256	110	 30.16.06324 DT 06 12.S	01.0617.0500
01.0821.0000	256	72	 30.16.06318 DT 06 6.S	01.0821.0600	F R I II	Ø 45		256	110	 30.16.06324 DT 06 12.S	01.0617.0500



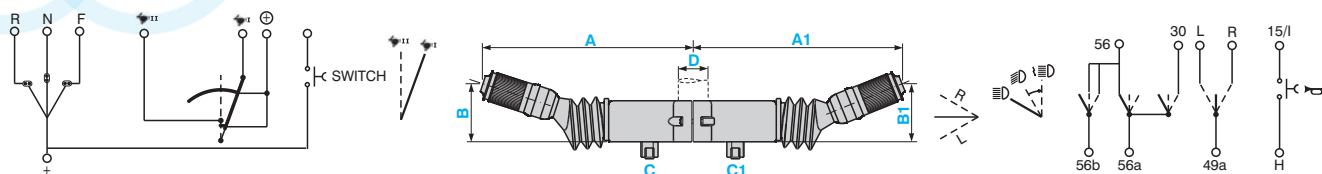
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0724.0000	252	88	 30.16.06318 DT 06 6.S	01.0724.0600	F R I II	Ø 38		252	90	 30.16.06324 DT 06 12.S	01.511.500

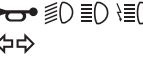


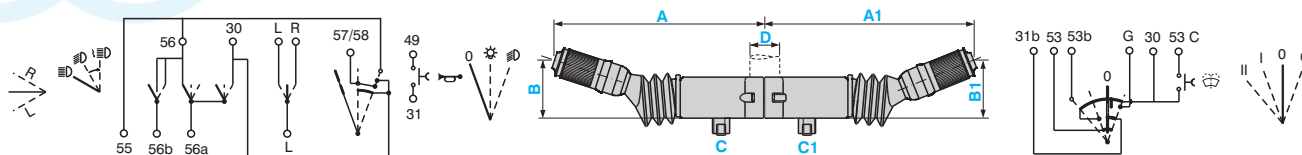
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1126.0000 SIMBOLI LUCI E LAVACRISTALLO SERIGRAFATI SUL CORPO LIGHT CONTROL SWITCH AND WINDSHIELD WASHER ICON SILK SCREEN PRINTED ON THE HOUSING	220	74	 30.16.06324 DT 06 12.S	01.1126.0500		Ø 45		220	74	 30.16.06324 DT 06 12.S  30.16.06318 DT 06 6.S	01.1126.0600



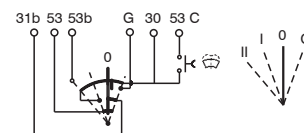
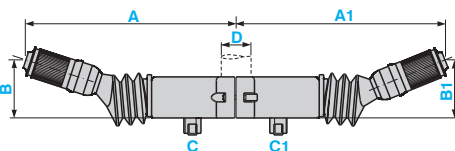
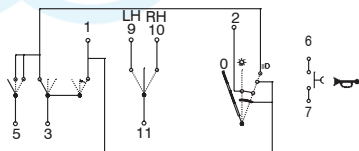
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0733.0000	262	58	 30.16.06324 DT 06 12.S	01.0733.0600	FNR 	Ø 45		258	88	 30.16.06324 DT 06 12.S	01.495.500



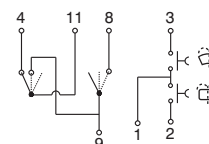
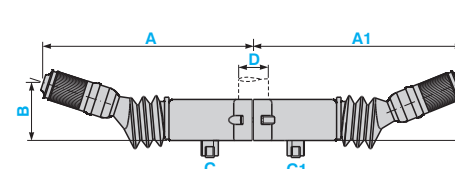
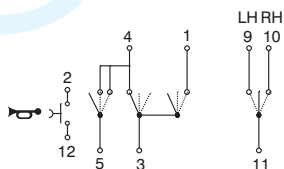
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0738.0000	262	58	 30.16.06324 DT 06 12.S	01.0738.0600	FNR 	Ø 45		254	88	 30.16.06324 DT 06 12.S	01.0628.0500

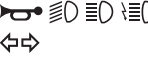


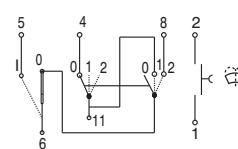
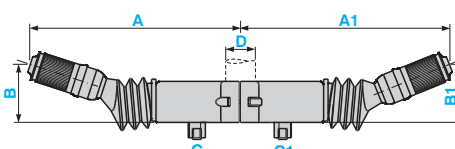
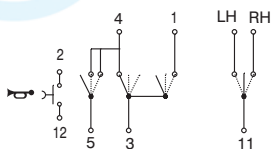
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.574.000	254	88	 30.16.06324 DT 06 12.S	01.574.500		Ø 45		254	88	 30.16.06324 DT 06 12.S	01.574.600

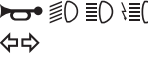


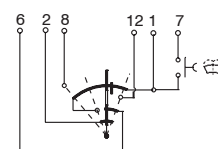
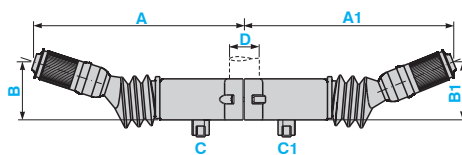
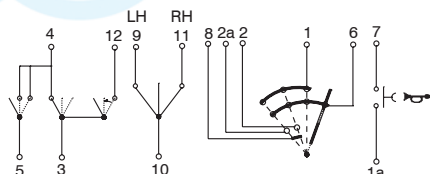
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1089.0000	236	86	 30.16.06324 DT 06 12.S	01.1089.0500		Ø 47,5		236	84	 30.16.06324 DT 06 12.S	01.1087.0600



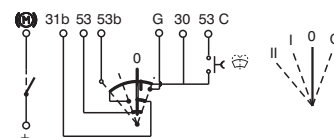
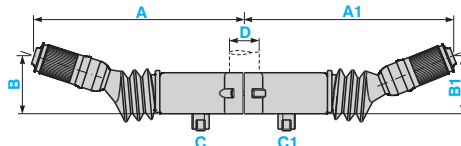
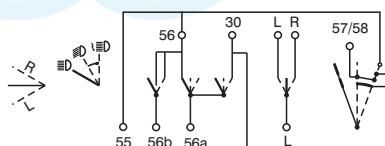
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0784.0000	250	29	 30.16.06324 DT 06 12.S	01.0758.0500		Ø 47,5		250	29	 30.16.06324 DT 06 12.S	01.0784.0600



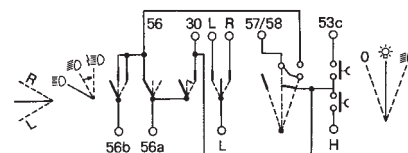
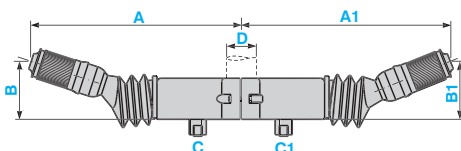
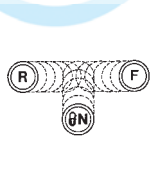
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0823.0000	240	0	 30.16.06324 DT 06 12.S	01.0823.0500		Ø 47,5		245	29	 30.16.06324 DT 06 12.S	01.0823.0600



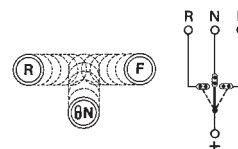
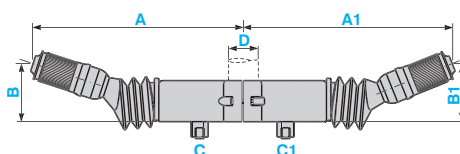
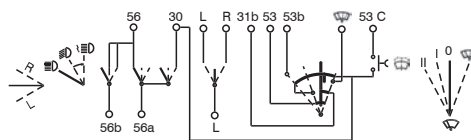
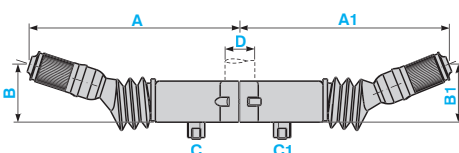
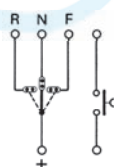
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1087.0000	236	84	 30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S	01.1087.0500		Ø 45		236	84	 30.16.06324 DT 06 12.S	01.1087.0600



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0619.0000	254	88	 30.16.06324 DT 06 12.S	01.574.500		Ø 45		254	88	 30.16.06324 DT 06 12.S	01.0619.0600



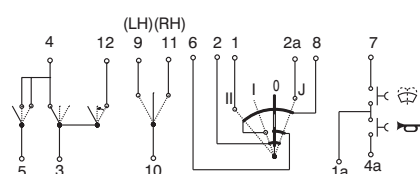
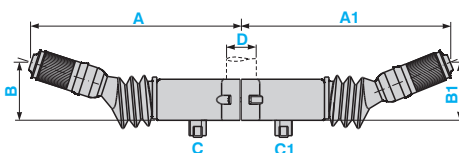
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0705.0000	256	58	 30.16.06318 DT 06 6.S	01.0705.0600	F N R 	Ø 45		258	90	 30.16.06324 DT 06 12.S	01.454.500
01.0774.0000	256	58	 30.16.06318 DT 06 6.S	01.0705.0600	F N R 	Ø 45	 FORZA DI AZIONAMENTO LEVA IND. DIREZIONE KG 1,75 OPERATING FORCE FOR TURN INDICATOR LEVER KG 1,75	258	90	 30.16.06324 DT 06 12.S	01.0774.0500

311

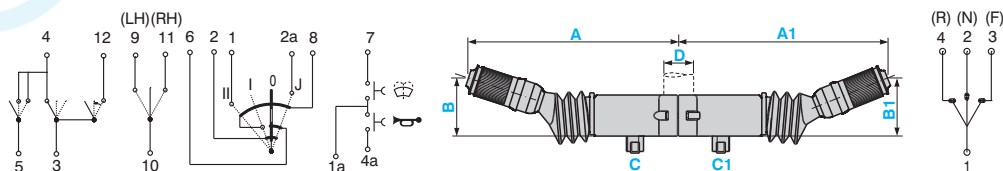
(R) (N) (F)

3 2 4

1

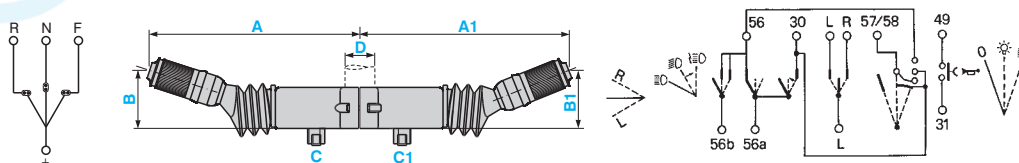
183

115



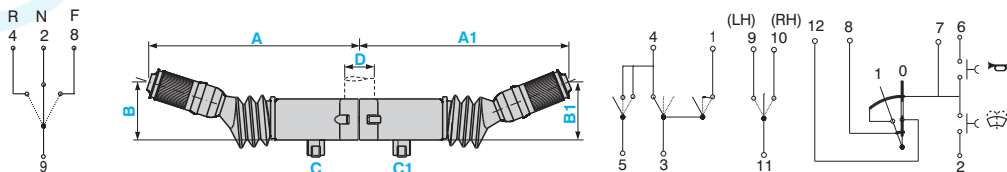
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0963.0000	258	90	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.0963.0500	           	∅ 38	F N R 	256	58	 30.16.06324 DT 06 12.S	01.0963.0600

305

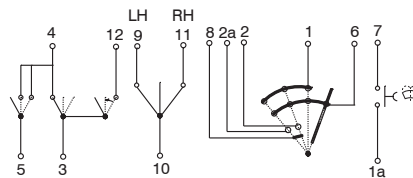
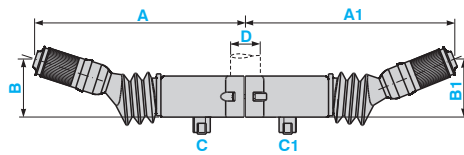
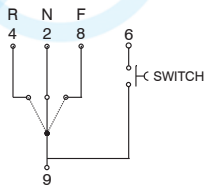


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1031.0000	256	58	 30.16.06324 DT 06 12.S	01.1031.0600	F N R 	∅ 38	       	253	88	 30.16.06324 DT 06 12.S	01.511.500

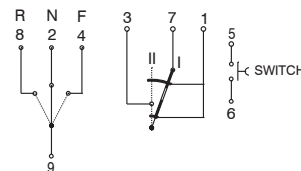
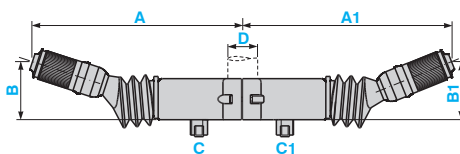
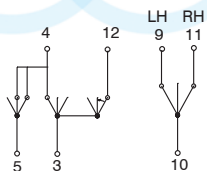
215



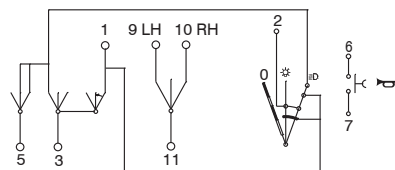
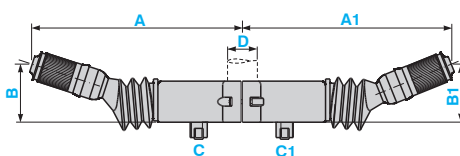
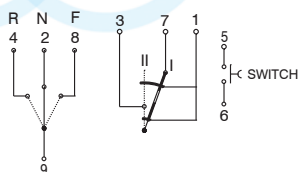
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0760.0000	242	78	 30.16.06324 DT 06 12.S	01.0760.0600	F N R 	∅ 45	       	250	104	 30.16.06324 DT 06 12.S	01.0837.0500



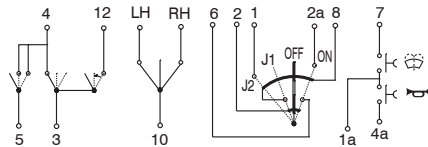
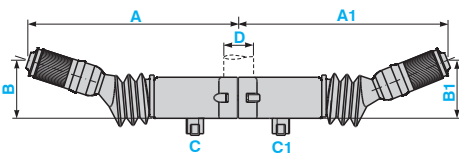
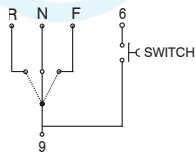
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0859.0000	234	84	 30.16.06324 DT 06 12.S	01.0859.0600	F N R SWITCH	Ø 45		234	84	 30.16.06713 DT 06 4.S	01.0858.0500



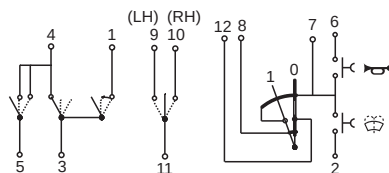
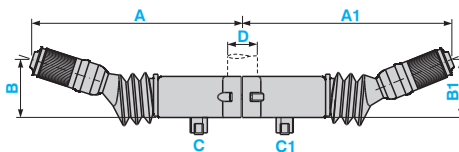
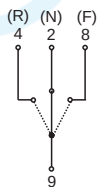
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0763.0000	265	74	 30.16.06713 DT 06 4.S	01.0763.0500	F N R SWITCH	Ø 45		260	72	 30.16.06713 DT 06 4.S	01.0704.0600
01.0917.0000	240	86	 30.16.06713 DT 06 4.S	01.0625.0500	F N R SWITCH	Ø 45		240	58	 30.16.06713 DT 06 4.S	01.0917.0600



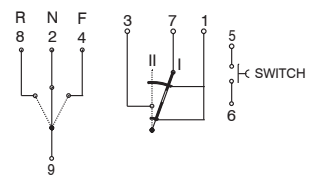
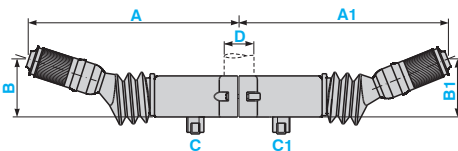
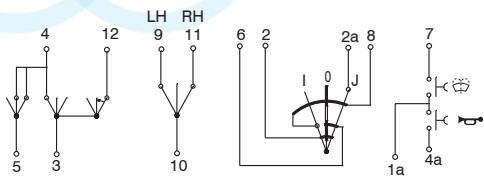
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0777.0000	246	80	 30.16.06324 DT 06 12.S	01.0777.0600	F N R SWITCH	Ø 45		236	84	 30.16.06324 DT 06 12.S	01.0777.0500



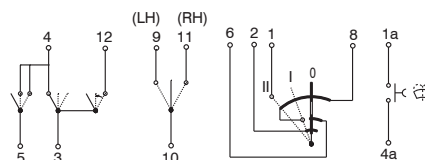
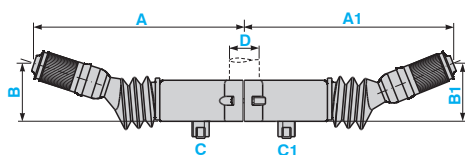
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0848.0000	234	84	 30.16.06324 DT 06 12.S	01.0848.0600	F N R SWITCH	Ø 45		240	85	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.0847.0500



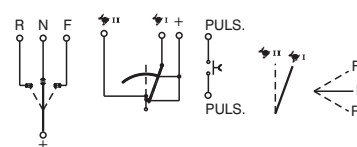
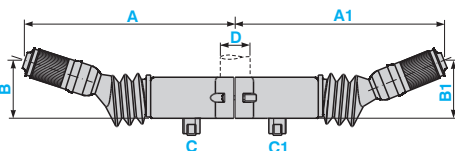
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0899.0000	242	78	 30.16.06324 DT 06 12.S	01.0760.0600	F N R SWITCH	Ø 45		250	104	 30.16.06324 DT 06 12.S	01.0837.0500



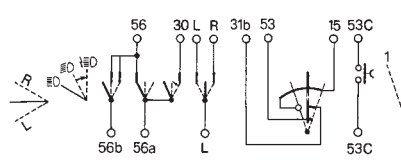
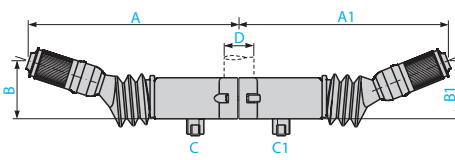
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1002.0000	240	86	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.1002.0500	F N R SWITCH	Ø 45		240	58	 30.16.06324 DT 06 12.S	01.0917.0600



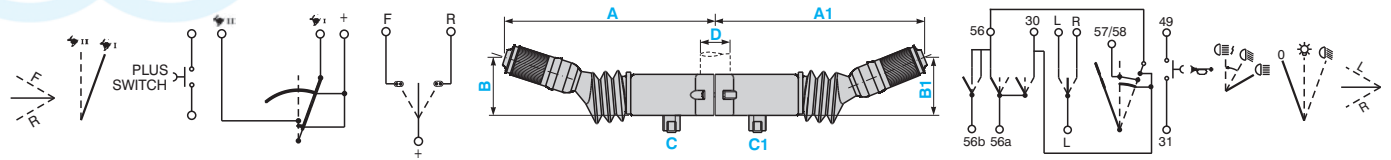
30.16.06324 DT



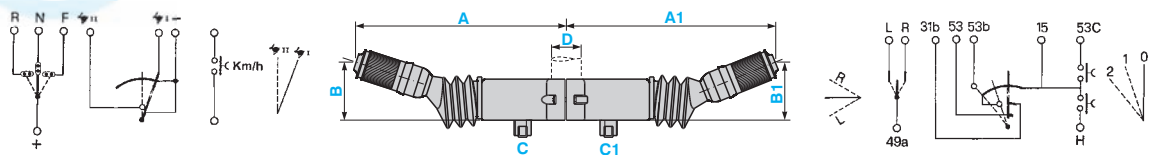
30.16.06324 DT



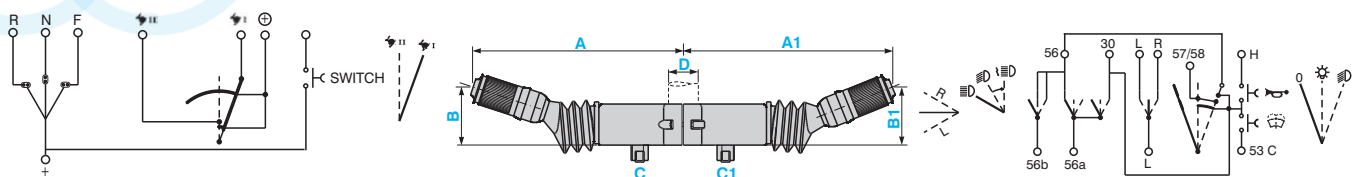
30.16.06324 DT

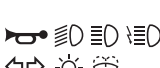


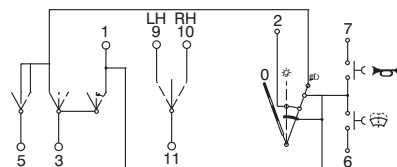
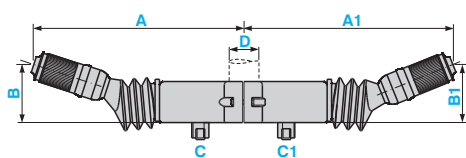
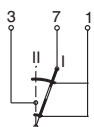
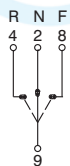
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0740.0000	234	84	 30.16.06324 DT 06 12.S	01.0740.0600	F R I II SWITCH	Ø 45		254	88	 30.16.06324 DT 06 12.S	01.486.500



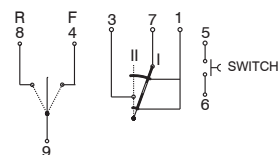
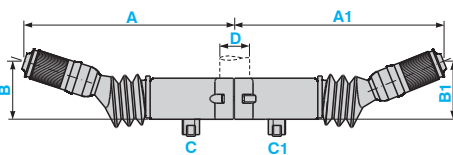
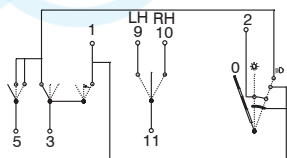
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0720.0000	252	88	 30.16.06324 DT 06 12.S	01.0720.0600	F N R I II Km/h	Ø 45		257	90	 30.16.06324 DT 06 12.S	01.495.500



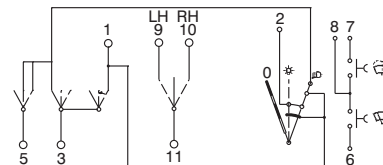
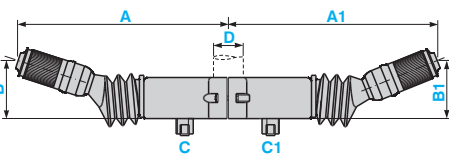
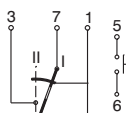
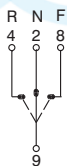
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0739.0000	262	58	 30.16.06324 DT 06 12.S	01.0738.0600	F N R I II SWITCH	Ø 45		258	90	 30.16.06324 DT 06 12.S	01.454.500



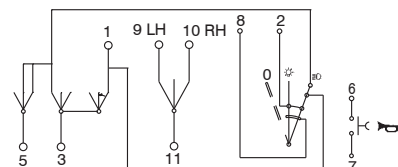
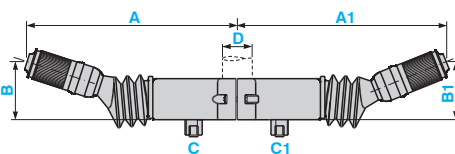
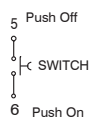
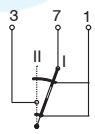
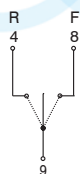
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0919.0000	262	58	 30.16.06324 DT 06 12.S	01.0919.0600	F N R 🔒 I II	Ø 45	🔊 🔦 🔦 🔦 🔦 ↔ 🔦 🔦	258	90	 30.16.06324 DT 06 12.S	01.0915.0500
01.0961.0000	240	58	 30.16.06324 DT 06 12.S	01.0961.0600	F N R 🔒 I II	Ø 45	🔊 🔦 🔦 🔦 🔦 ↔ 🔦 🔦	236	84	 30.16.06324 DT 06 12.S	01.0961.0500



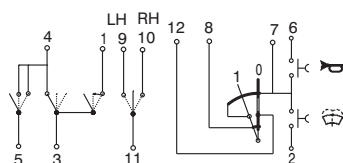
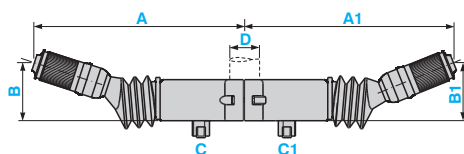
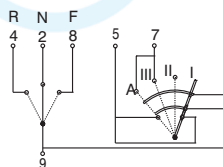
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0909.0000	236	86	 30.16.06324 DT 06 12.S	01.0909.0500	🔊 🔦 🔦 🔦 🔦 ↔ 🔦 🔦	Ø 45	F R 🔒 I II SWITCH	240	58	 30.16.06324 DT 06 12.S	01.0907.0600
01.0910.0000	236	84	 30.16.06324 DT 06 12.S	01.0910.0500	🔊 🔦 🔦 🔦 🔦 ↔ 🔦 🔦	Ø 45	F R 🔒 I II SWITCH	240	58	 30.16.06324 DT 06 12.S	01.0907.0600



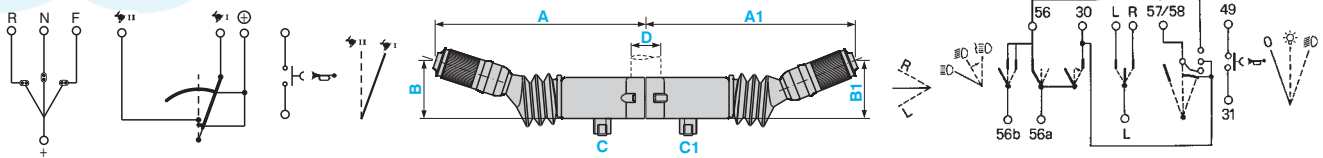
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0887.0000	256	72	 30.16.06324 DT 06 12.S	01.0887.0600	F N R 	Ø 45		256	110	 30.16.06324 DT 06 12.S	01.0887.0500



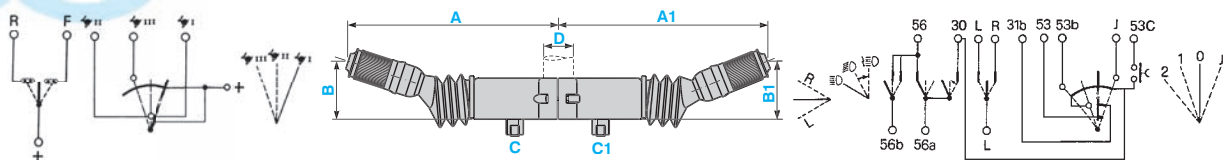
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0802.0000	256	110	 30.16.06318 DT 06 6.S	01.0802.0600	F N R  SWITCH	Ø 45		256	110	 30.16.06324 DT 06 12.S	01.0617.0500



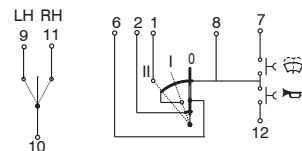
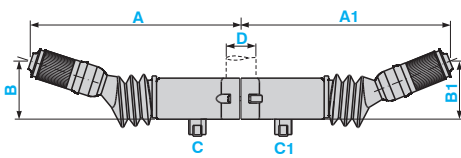
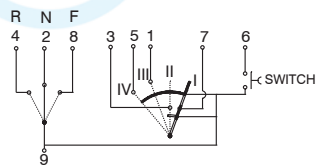
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0920.0000	246	80	 30.16.06324 DT 06 12.S	01.0920.0600	F N R 	Ø 45		250	104	 30.16.06324 DT 06 12.S	01.0837.0500



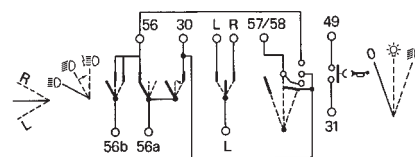
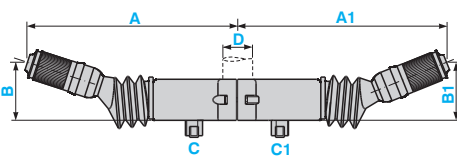
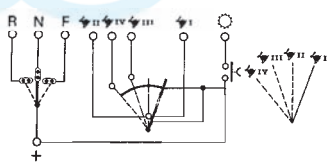
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0814.0000	262	58	 30.16.06324 DT 06 12.S	01.0735.0600	F N R I II	Ø 38		253	88	 30.16.06324 DT 06 12.S	01.511.500



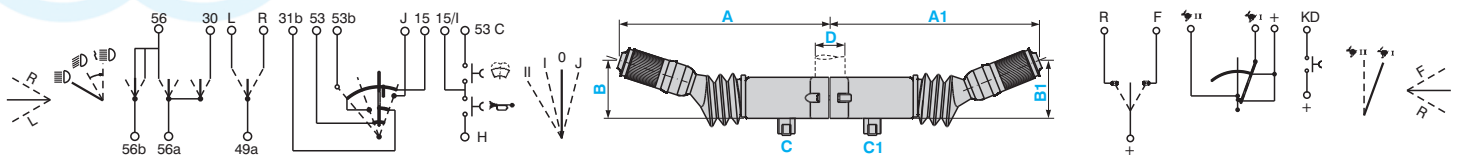
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0725.0000	252	88	 30.16.06324 DT 06 12.S	01.0725.0600	F R I II III	Ø 45		252	90	 30.16.06324 DT 06 12.S	01.512.500



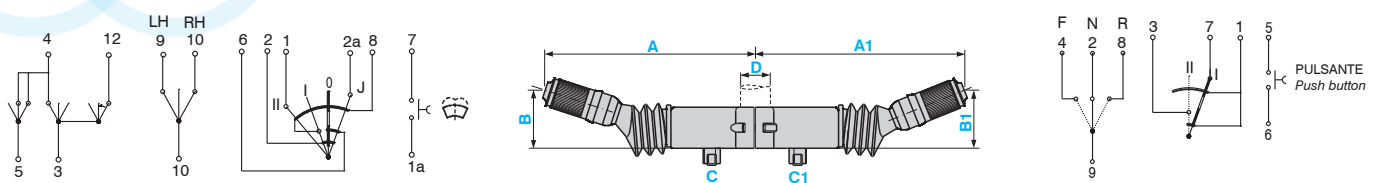
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0721.0000	262	58	 30.16.06324 DT 06 12.S	01.0721.0600	F N R SWITCH	Ø 45	 	258	90	 30.16.06324 DT 06 12.S	01.495.500
01.1053.0000 DIFFERISCE DA 01.0721.0000 PER SERIGRAFIA CON NUMERI ARABI IT DIFFERS FROM 01.0721.0000 IN INCONS WITH ARABIC NUMBERS	262	58	 30.16.06324 DT 06 12.S	01.1053.0600	F N R SWITCH	Ø 45	 	258	90	 30.16.06324 DT 06 12.S	01.495.500
01.0872.0000	262	58	 30.16.06324 DT 06 12.S	01.0872.0600	F N R SWITCH	Ø 38	 	258	90	 30.16.06324 DT 06 12.S	01.0872.0500



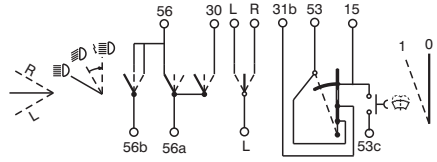
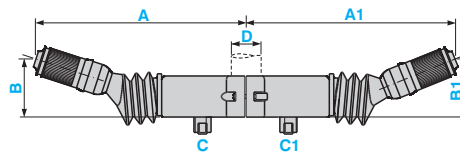
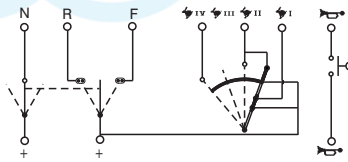
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0723.0000	260	59	 30.16.06324 DT 06 12.S	01.0721.0600	F N R 	Ø 45	 	252	90	 30.16.06324 DT 06 12.S	01.486.500

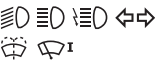


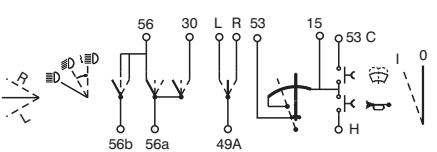
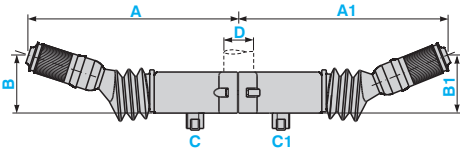
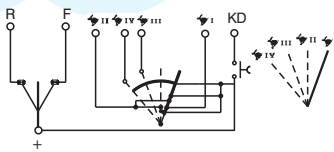
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0737.0000	240	86	 30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S	01.0625.0500	 	Ø 45	F R KD	234	84	 30.16.06324 DT 06 12.S	01.0737.0600
01.0907.0000	240	86	 30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S	01.0907.0500	 	Ø 45	F R SWITCH	240	58	 30.16.06324 DT 06 12.S	01.0907.0600
01.0908.0000	240	86	 30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S	01.0908.0500	 	Ø 45	F R SWITCH	240	58	 30.16.06324 DT 06 12.S	01.0907.0600



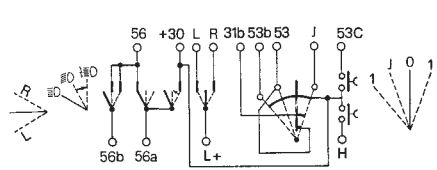
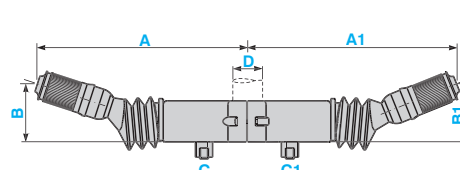
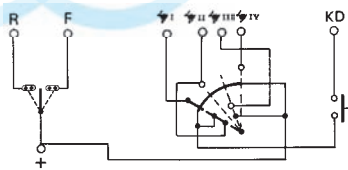
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1099.0000	220	74	 30.16.06324 DT 06 12.S 30.16.06713 DT 06 4.S	01.1099.0500	 	Ø 45	F N R 	220	74	 30.16.06324 DT 06 12.S	01.1099.0600



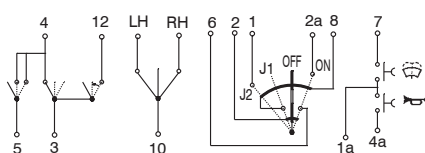
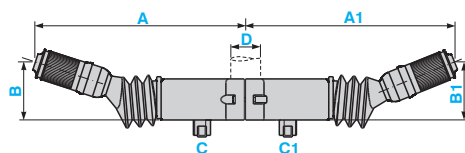
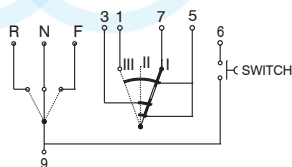
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0742.0000	262	58	 30.16.06324 DT 06 12.S	01.0742.0600	F N R I II III IV	Ø 45		259	88	 30.16.06324 DT 06 12.S	01.0661.0500



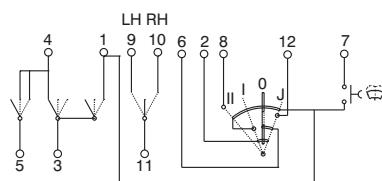
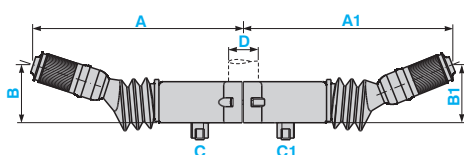
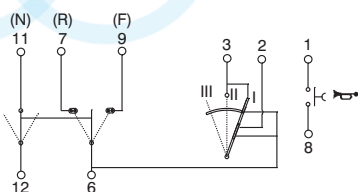
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0727.0000	262	58	 30.16.06324 DT 06 12.S	01.0727.0600	F N R I II III IV KD	Ø 45		259	88	 30.16.06324 DT 06 12.S	01.519.500



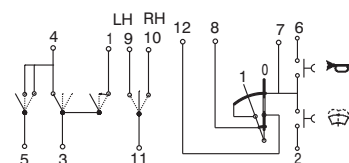
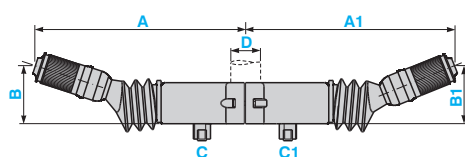
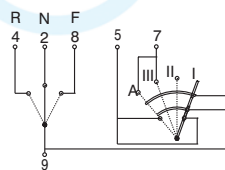
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0719.0000	252	88	 30.16.06324 DT 06 12.S	01.0719.0600	F R KD I II III IV	Ø 45		257	90	 30.16.06713 DT 06 4.S	01.488.500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0847.0000	234	84	 30.16.06324 DT 06 12.S	01.0847.0600	F N R I II III SWITCH	Ø 45		240	85	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.0847.0500

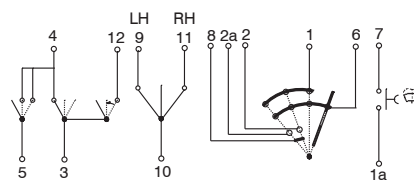
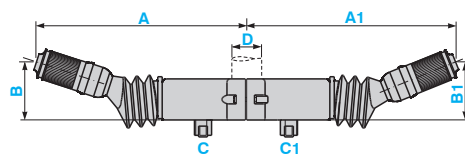
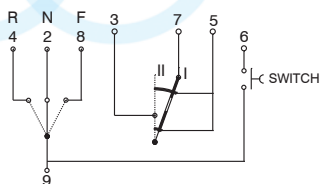


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0944.0000	262	58	 30.16.06324 DT 06 12.S	01.0944.0600	F N R 0 I II III 	Ø 45		254	88	 30.16.06324 DT 06 12.S	01.512.500



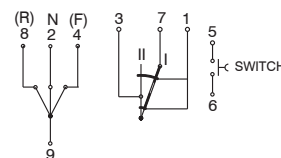
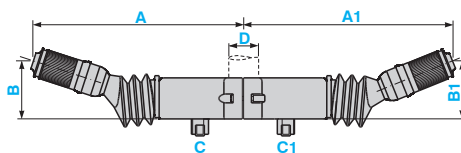
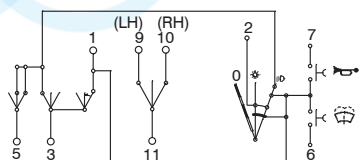
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0775.0000	242	78	 30.16.06324 DT 06 12.S	01.0775.0600	F N R 0 I II III A	Ø 45		250	104	 30.16.06324 DT 06 12.S	01.0837.0500

255



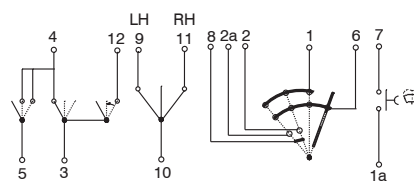
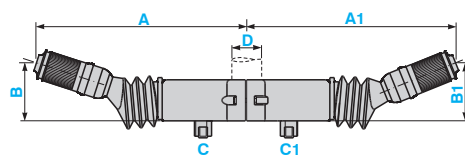
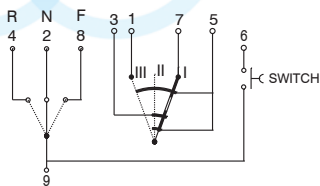
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0860.0000	234	85	 30.16.06324 DT 06 12.S	01.0860.0600	F N R I II SWITCH	Ø 45		234	84	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.0858.0500

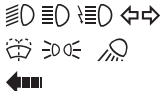
278

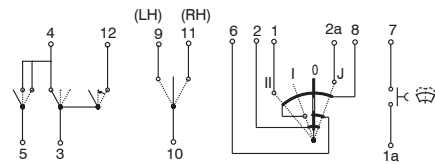
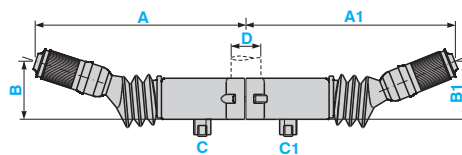
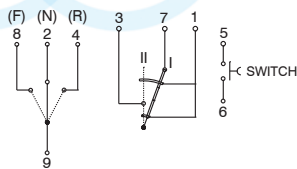


P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0954.0000	236	84	 30.16.06324 DT 06 12.S	01.0954.0500	 SWITCH	Ø 45	F N R I II SWITCH	240	58	 30.16.06324 DT 06 12.S	01.0954.0600

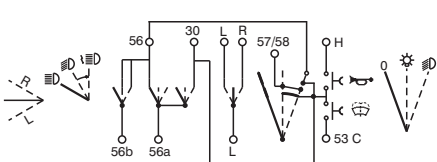
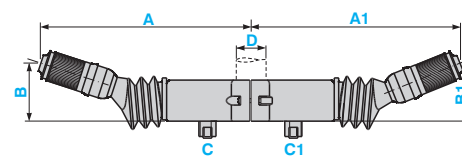
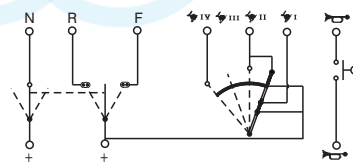
253



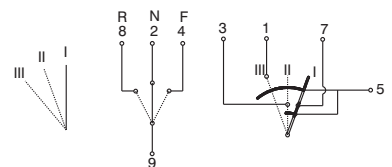
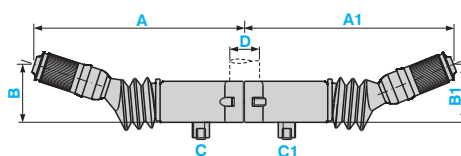
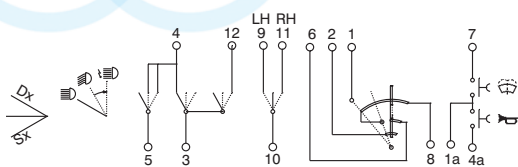
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0858.0000	234	84	 30.16.06324 DT 06 12.S	01.0858.0600	F N R I II III SWITCH	Ø 45		234	84	 30.16.06324 DT 06 12.S  30.16.06713 DT 06 4.S	01.0858.0500



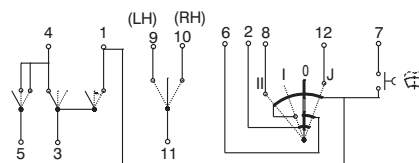
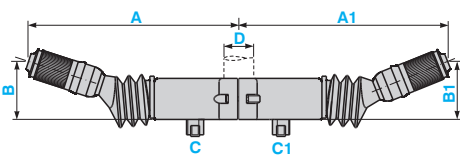
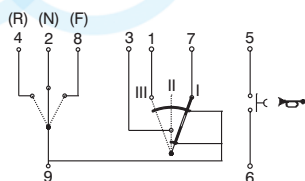
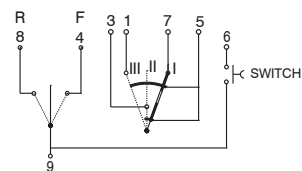
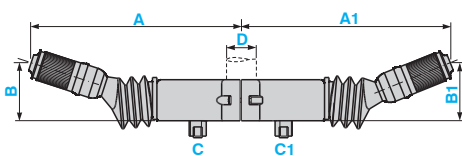
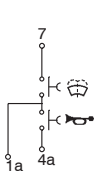
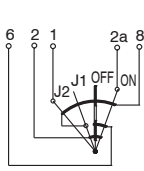
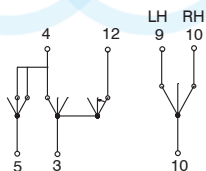
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0982.0000	240	58	 30.16.06324 DT 06 12.S	01.0982.0600	F N R I II SWITCH	Ø 45	 I II	240	86	 30.16.06713 DT 06 4.S	01.0982.0500

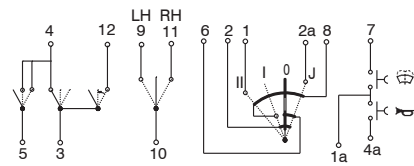
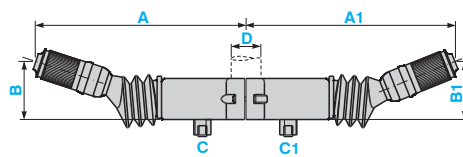
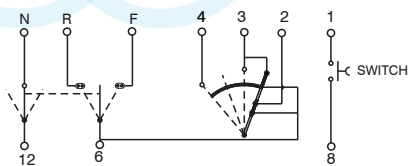


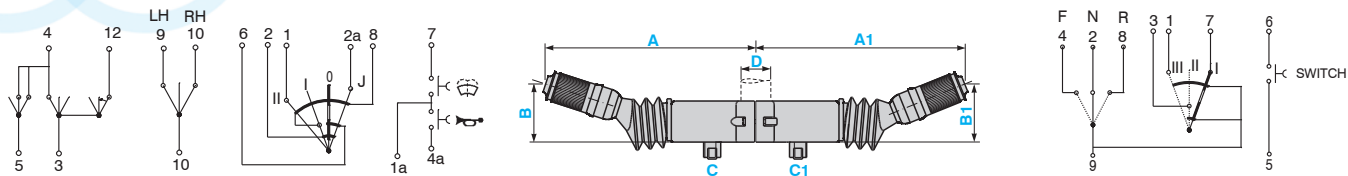
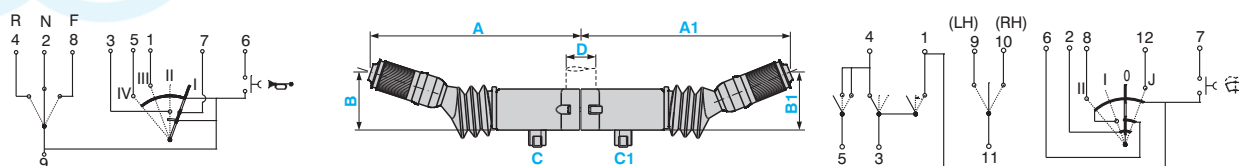
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.0915.0000	262	58	 30.16.06324 DT 06 12.S	01.0915.0600	F N R I II III IV	Ø 45	 I II III IV	258	90	 30.16.06324 DT 06 12.S	01.0915.0500



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.1007.0000	260	96	 30.16.06713 DT 06 4.S	01.1007.0500	 I II III I	Ø 45	F N R I II III I	260	80	 30.16.06324 DT 06 12.S	01.1007.0600



198

[illegible][illegible]

• Serie OMNIA

**DEVIAGUIDA COMANDO LUCI / INVERSOE /
TERGICRISTALLO / RETARDER / CRUISE CONTROL**

Materiale leva interna: metallo
Materiale rivestimento leva: PBT
Materiale cuffia: gomma neoprene nera
Materiale contenitore di protezione: poliammide
Tensione alimentazione: 12V o 24V
Assorbimento corrente: <5 mA
Inversione di polarità: protetto
Load dump: protetto
Comunicazione: CAN-bus SAE J1939
Grado di protezione: IP65
Temperatura di funzionamento: -40° ÷ + 85°C
Contatti elettrici: contactless (tecnologia Effetto Hall)
Connessione: AMP Seal 8 vie
Compatibilità elettromagnetica (EMC): 2009/64/CE

• OMNIA range

**LIGHT CONTROL SWITCH / SHIFTER/
WINDSHIELD WIPER / RETARDER / CRUISE CONTROL**

Interior lever material: metallic
Lever covering material: PBT
Cap material: black neoprene rubber
Protection container material: polyamide
Power supply voltage: 12V or 24V
Current consumption: <5 mA
Reverse polarity: protected
Load dump: protected
Serial communication: CAN-bus SAE J1939
Sealing: IP65
Operating temperature: - 40° C ÷ + 85° C
Electric contacts: contactless (Hall Effect technology)
Connection: AMP SEAL 8 pins
Electromagnetic compatibility (EMC): 2009/64/CE

CAN-bus



CARATTERISTICHE

DESIGN

Lo studio estetico della leva è stato curato nei minimi dettagli al fine di garantire un design moderno in linea con le tendenze del mercato ed assicurare la massima ergonomia all'operatore.

AFFIDABILITA'

La parte elettrica, grazie alla tecnologia Hall Effect, non ha componenti in contatto tra loro (sistema NO CONTACT); In questo modo è possibile raggiungere un elevato numero di manovre su tutte le funzioni e non dover effettuare alcuna manutenzione al dispositivo.

INNOVAZIONE

La nuova gamma di devio-guida e inversori OMNIA è studiata per applicazioni su veicoli di moderna concezione. In particolare la gestione di tutte le funzioni è affidata ad un innovativo microprocessore integrato che si interfaccia con il network del veicolo mediante il protocollo CAN-bus SAE J1939. Altri protocolli disponibili su richiesta.

ADATTABILITA'

L'intera gamma OMNIA è adatta anche per applicazioni su veicoli che non prevedono il sistema CAN-bus. E' infatti prevista una centralina "interfaccia" compatibile con qualunque circuito elettrico di tipo tradizionale. (Vedi catalogo centraline elettroniche).

PERSONALIZZAZIONE

Sono già state previste diverse combinazioni fra le varie funzioni, ma è possibile svilupparne altre su richiesta del cliente, fatta salva la fattibilità tecnica, e personalizzare gli ideogrammi.

VERSATILITA' DI FISSAGGIO

Tutti i prodotti dell'assortimento OMNIA sono estremamente semplici e veloci da installare.

Sono possibili tre tipologie di fissaggio:

- A base piana, mediante n.4 viti M5
- A cruscotto, mediante n.4 viti M5
- A piantone

FEATURES

DESIGN

The lever aesthetic look has been studied in details in order to guarantee a modern design in accordance with the new market trends and to assure the best ergonomics to the operator.

RELIABILITY

Thanks to Hall Effect Technology it is possible to have an electrical part with no components in contact (NO CONTACT system); In this way it's possible to reach a high number of operations on all the functions and to avoid any type of maintenance.

INNOVATION

The new steering column switches and OMNIA shifters range is designed for modern vehicles applications. The control of all functions is managed by an innovative integrated microprocessor, which interfaces vehicle network through CAN-bus SAE J1939 protocol. Other protocols are available on request.

ADAPTABILITY

The entire OMNIA range is also suitable for applications on vehicles which are not fitted out with a CAN-bus system. It is provided with an "interface" control unit compatible with any kind of traditional electric circuit. (See electronic controllers catalogue).

CUSTOMIZATION

Different combinations among the various functions have already been set; it is however possible to develop others on customer request, considering technical feasibility, and to customize symbols.

FIXING VERSATILITY

Each product of OMNIA assortment is very easy and fast to install.

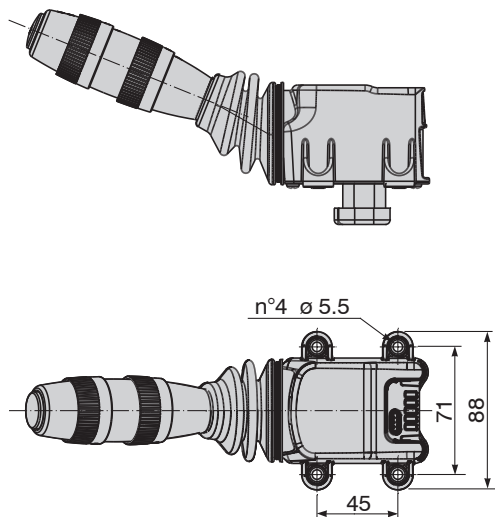
Three types of mounting are available:

- Surface mounting, through n.4 M5 screws
- Dashboard mounting, through n.4 M5 screws
- Steering column mounting

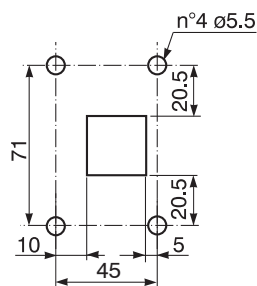
TIPI DI FISSAGGIO - *FIXING OPTIONS*

FISSAGGIO A BASE PIANA *SURFACE MOUNTING*

TRAMITE VITI
THROUGH SCREWS

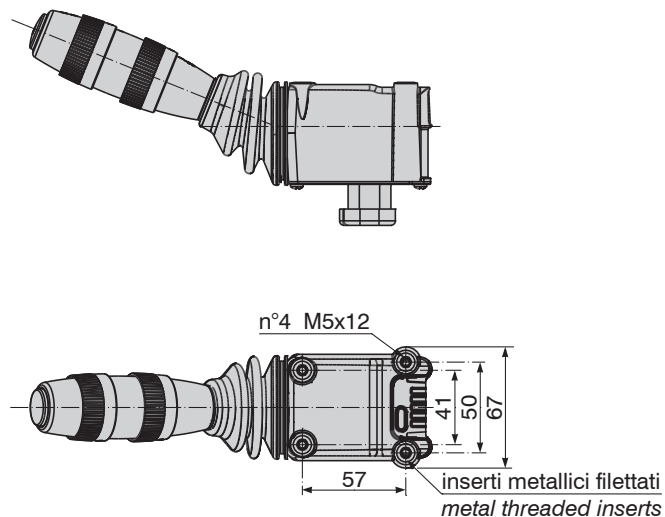


FORATURA
FIXING HOLE

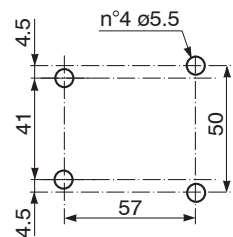


FISSAGGIO A CRUSCOTTO *DASHBOARD MOUNTING*

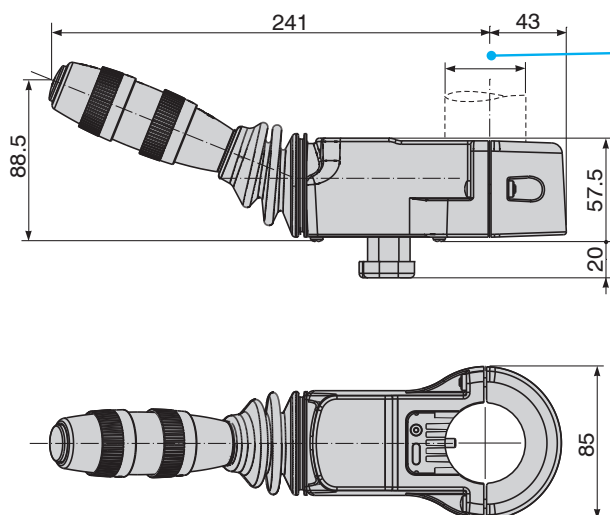
TRAMITE INSERTI METALLICI FILETTATI
THROUGH METAL THREADED INSERTS



FORATURA
FIXING HOLE



FISSAGGIO A PIASTONE *STEERING COLUMN MOUNTING*



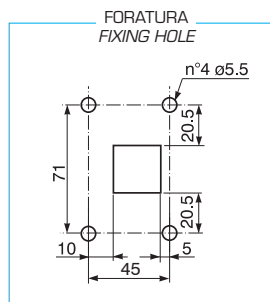
Adatto per piantoni:
Suitable for steering columns:
Ø 45

Disponibili su richiesta,
contattare il nostro ufficio commerciale:
*Available on request, please check with
our commercial office:*
Ø 38 - Ø 55

DEVIUGUIDA - LIGHT CONTROL SWITCH



FISSAGGIO A BASE PIANA TRAMITE VITI SURFACE MOUNTING THROUGH SCREWS



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
-----	--------------------------	-----------------------

01.1021.0000 24V		
---------------------	--	--

01.1117.0000 24V		
---------------------	--	--

01.1008.0000 12V		
---------------------	--	--

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
-----	--------------------------	-----------------------

--	--	--

--	--	--

--	--	--

FORATURA
FIXING HOLE

n°4 ø5.5

4.5

41

50

57

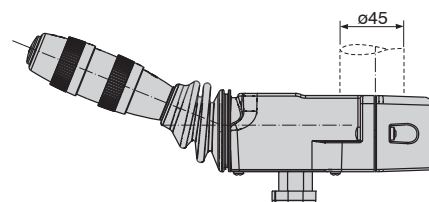
4.5

[illegible]

DEVIUGUIDA - LIGHT CONTROL SWITCH



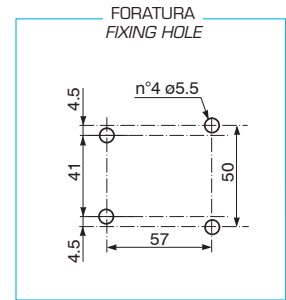
FISSAGGIO A PIANTONE STEERING COLUMN MOUNTING

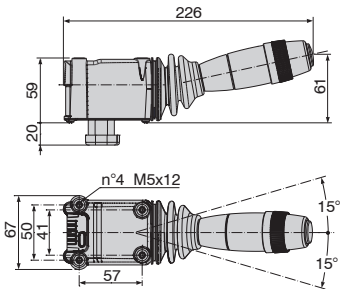


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS	P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1090.0000 24V			01.1148.0000 12V 01.1097.0000 24V		
01.1093.0000 24V			01.1078.0500 24V		
01.1065.0000 24V			01.1112.0000 24V		
01.1063.0000 12V 01.1078.0000 24V			01.1180.0000 12V		



FISSAGGIO A CRUSCOTTO
 TRAMITE INSERTI METALLICI FILETTATI
DASHBOARD MOUNTING
 THROUGH METAL THREADED INSERTS

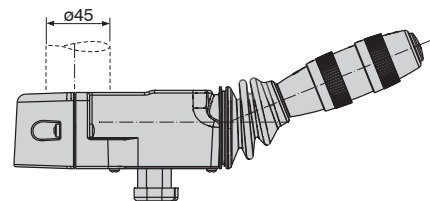


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS	P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1049.0000 24V		F N R   I  II			

INVERSOIRE - *SHIFTER*



**FISSAGGIO
A PIANTONE
STEERING COLUMN
MOUNTING**



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS	P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1113.0000 24V		F N R			
01.1130.0000 24V		F N R I II SWITCH			
01.1167.0000 24V		F N R (P) SWITCH			

A black, ruggedized handheld device, likely a mobile terminal or data collector. It features a mounting bracket on the left side and a long, thin antenna extending from the right side. The device has a textured, durable appearance.

TRAMITE VITI

FORATURA
FIXING HOLE

n°4 ø5.5

71

20.5

20.5

10

45

5

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.0999.0000 24V		



FORATURA
FIXING HOLE

n°4 $\varnothing 5.5$

41

57

50

4.5

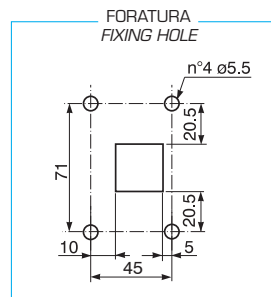
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1124.0000 24V		

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS

RETARDER SEQUENZIALE - *SEQUENTIAL RETARDER*



FISSAGGIO A BASE PIANA
TRAMITE VITI
SURFACE MOUNTING
THROUGH SCREWS

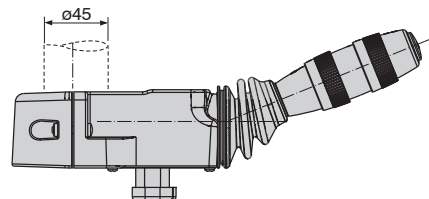


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1096.0000 24V		RETARDER + SWITCH ON/OFF

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS



FISSAGGIO A PIANTONE STEERING COLUMN MOUNTING



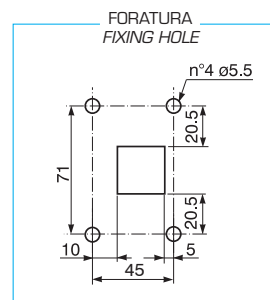
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1095.0000 24V	Technical drawing of the component showing two views. The side view (top) shows a main body with a mounting bracket on the left and a flexible cable on the right. Dimensions: total length 248, mounting bracket width 43, mounting hole diameter $\phi 45$, main body width 61, mounting bracket height 20, and main body height 57.5. The front view (bottom) shows a circular mounting bracket with a diameter of 85. The flexible cable is shown in a retracted position, with a red dashed cone indicating its range of motion, labeled 'MOMENTARY' with a '+' sign. The cable has two segments of length 50 each, totaling 100.	RETARDER + SWITCH ON/OFF

[illegible]

RETARDER 7 POSIZIONI - 7 POSITIONS RETARDER



FISSAGGIO A BASE PIANA
 TRAMITE VITI
SURFACE MOUNTING
 THROUGH SCREWS

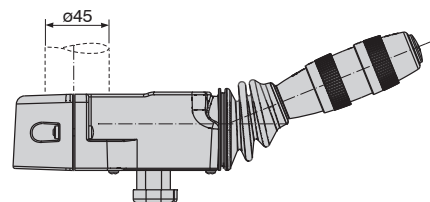


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1094.0000 24V		RETARDER SWITCH

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS



**FISSAGGIO
A PIANTONE**
**STEERING COLUMN
MOUNTING**



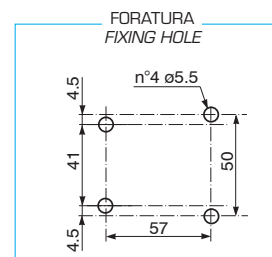
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1098.0000 24V		RETARDER SWITCH
01.1098.0500 24V		RETARDER SWITCH

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS

CRUISE CONTROL



FISSAGGIO A CRUSCOTTO
 TRAMITE INSERTI METALLICI FILETTATI
DASHBOARD MOUNTING
 THROUGH METAL THREADED INSERTS

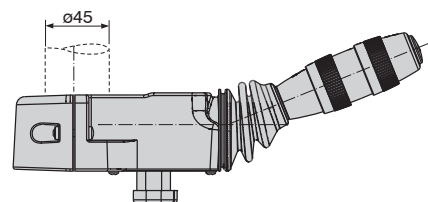


P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1201.0000 24V	n°4 M5x12 15° 15° MOMENTARY	ON/OFF/RES SET SPEED I II

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS



**FISSAGGIO
A PIASTRELLA
STEERING COLUMN
MOUNTING**



P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1194.0000 24V	43 248 45 61 57.5 20 85 15° 15° MOMENTARY	ON/OFF SWITCH

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS

• Serie OMNIA

DEVIAGUIDA COMANDO LUCI / INVERSO

Materiale leva interna: metallo
Materiale rivestimento leva: PBT
Materiale cuffia: gomma neoprene nera
Materiale contenitore di protezione: poliammide
Tensione alimentazione: 8 - 32V
Assorbimento di corrente: <5 mA
Inversione di polarità: protetto
Load dump: protetto
14 uscite High: autoprotette
Grado di protezione: IP65
Temperatura di funzionamento: - 40° C ÷ + 85° C
Contatti elettrici: contactless (tecnologia Effetto Hall)
Connessione: S/SEAL 26 vie
Compatibilità elettromagnetica (EMC): 2009/64/CE

• OMNIA range

LIGHT CONTROL SWITCH / SHIFTER

Interior lever material: metallic
Lever covering material: PBT
Cap material: black neoprene rubber
Protection container material: polyamide
Power supply voltage: 8 - 32V
Current consumption: <5 mA
Reverse polarity: protected
Load dump: protected
14 High outputs: self-protected
Sealing: IP65
Operating temperature: - 40° C ÷ + 85° C
Electric contacts: contactless (Hall Effect technology)
Connection: S/SEAL 26 pins
Electromagnetic compatibility (EMC): 2009/64/CE

Analog



CARATTERISTICHE

DESIGN

La nuova gamma OMNIA ANALOGICO è il frutto di uno studio estetico curato nei minimi dettagli che ha permesso di ottenere prodotti dal design moderno ed ergonomico, in linea con le nuove tendenze del mercato e tale da consentire all'operatore il massimo comfort.

AFFIDABILITA'

La parte elettrica, grazie alla tecnologia Hall Effect, non ha componenti in contatto tra loro (sistema NO CONTACT); In questo modo è possibile raggiungere un elevato numero di manovre su tutte le funzioni e non dover effettuare alcuna manutenzione al dispositivo.

INNOVAZIONE

La nuova gamma di devioGUIDA, inversori e tergicristalli OMNIA ANALOGICO è stata studiata per applicazioni su veicoli di moderna concezione.

L'innovativo microprocessore integrato consente di gestire tutte le funzioni attraverso 14 uscite high da 200 mA max, autoprotette contro possibili cortocircuiti (logica cablata).

PERSONALIZZAZIONE

Tutte le diverse soluzioni della gamma OMNIA sono disponibili in differenti combinazioni tra le varie funzioni. Gli ideogrammi sono personalizzabili su richiesta del cliente. Sono inoltre disponibili le versioni con una, due o nessuna ghiera.

VERSATILITA' DI FISSAGGIO

Tutti i prodotti dell'assortimento OMNIA sono estremamente semplici e veloci da installare.

Sono possibili tre tipologie di fissaggio:

- A base piana, mediante n.4 viti M5
- A cruscotto, mediante n.4 viti M5
- A piantone

FEATURES

DESIGN

The new OMNIA ANALOG range is the result of an accurate and aesthetic study in order to offer ergonomic and modern design products in accordance to the new market trends and to assure the best comfort to the operator.

RELIABILITY

Thanks to Hall Effect Technology it is possible to have an electrical part with no components in contact (NO CONTACT system); In this way it's possible to reach an high number of operations on all the functions and to avoid any type of maintenance.

INNOVATION

The new switches, shifters and windshield wipers of the OMNIA ANALOG range have been designed for modern vehicles applications.

The innovative integrated microprocessor can manage all the functions through 14 outputs high of 200 mA at maximum, protected against any possible short circuit (wired logic).

CUSTOMIZATION

All the solutions of OMNIA range are available in different combinations among the various functions. The symbols on the levers can be customized by request. The options with one, two or without rings are also available.

FIXING VERSATILITY

Each product of OMNIA assortment is very easy and fast to install.

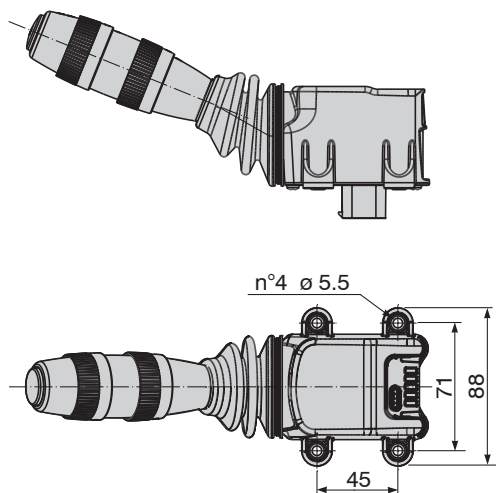
Three types of mounting are available:

- Surface mounting, through n.4 M5 screws
- Dashboard mounting, through n.4 M5 screws
- Steering column mounting

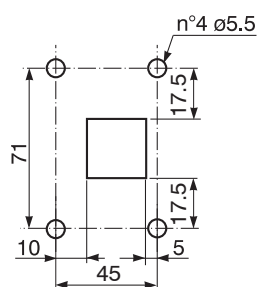
TIPI DI FISSAGGIO - *FIXING OPTIONS*

FISSAGGIO A BASE PIANA *SURFACE MOUNTING*

TRAMITE VITI
THROUGH SCREWS

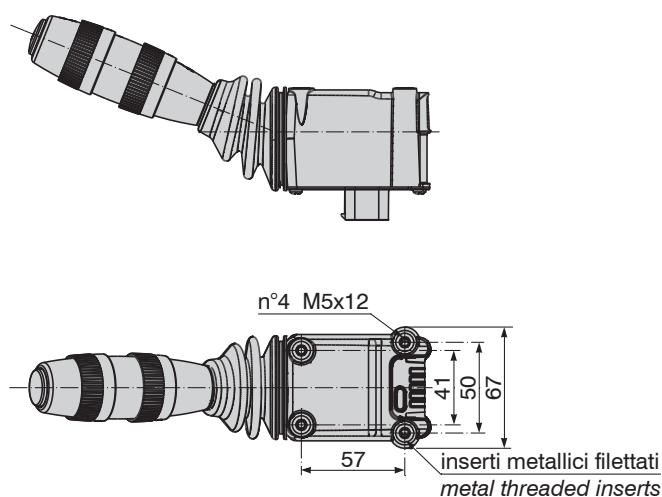


FORATURA
FIXING HOLE

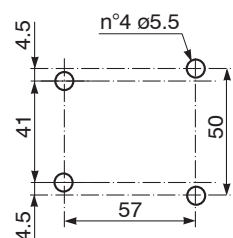


FISSAGGIO A CRUSCOTTO *DASHBOARD MOUNTING*

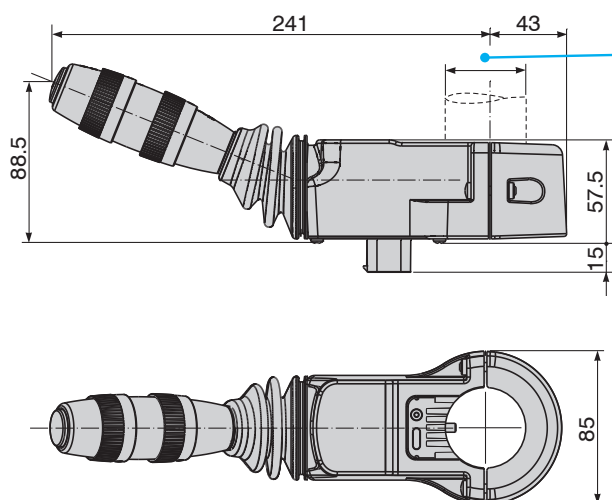
TRAMITE INSERTI METALLICI FILETTATI
THROUGH METAL THREADED INSERTS



FORATURA
FIXING HOLE



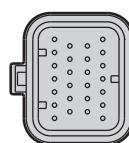
FISSAGGIO A PIANTONE *STEERING COLUMN MOUNTING*



Adatto per piantoni:
Suitable for steering columns:
Ø 45

Disponibili su richiesta,
contattare il nostro ufficio commerciale:
*Available on request, please check with
our commercial office:*
Ø 38 - Ø 55

OPTIONAL KIT



connettore
connector
26 pin



Kit di connessione connettore controparte S/SEAL 26 vie
Mating connector kit 26 pins S/SEAL
27.0955.0000

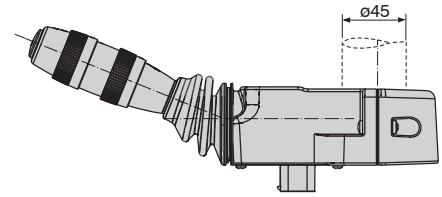
[illegible]

Technical drawing of a mechanical assembly. It shows a shaft with a pulley and a coupling. A dimension line indicates a diameter of 45 mm.

P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1157.0000		
01.1127.0000 01.1183.0000 (different PINOUT)		
01.1182.0000		



FISSAGGIO A PIANTONE *STEERING COLUMN MOUNTING*



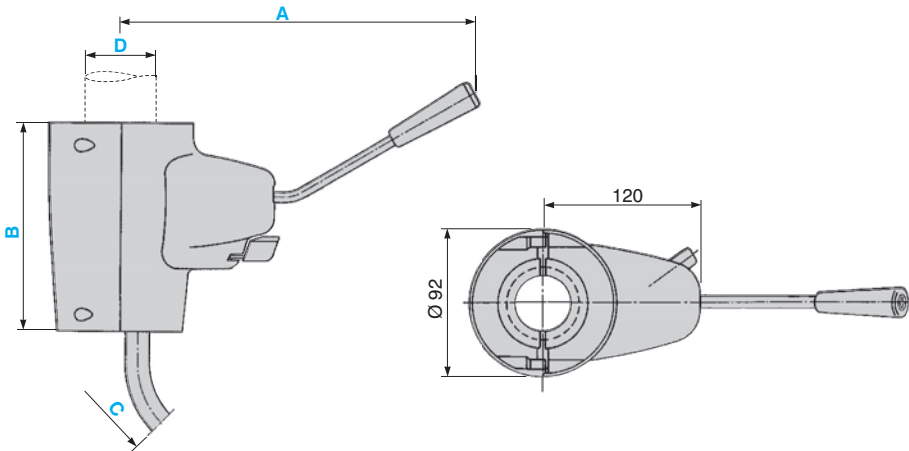
P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS	P/N	DIMENSIONI DIMENSIONS	FUNZIONI FUNCTIONS
01.1179.0000		F N R I II SWITCH			
01.1128.0000		F N R I II III SWITCH			
01.1181.0000		F N R I II III SWITCH			

• **Serie 106** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI
 Corpo: Nylon nero
 Applicazione: Autocarri

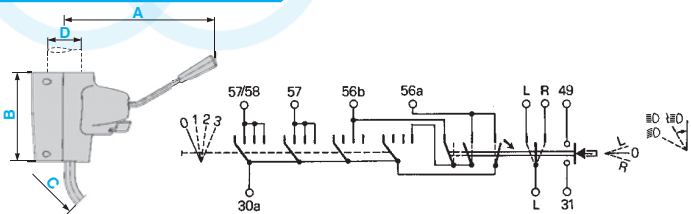
• **Series 106** steering column mounting
LIGHT CONTROL SWITCH
 Housing: Black nylon
 Application: Trucks



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A
	7A	5A



047



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.120.000	224	132			 	Ø 35

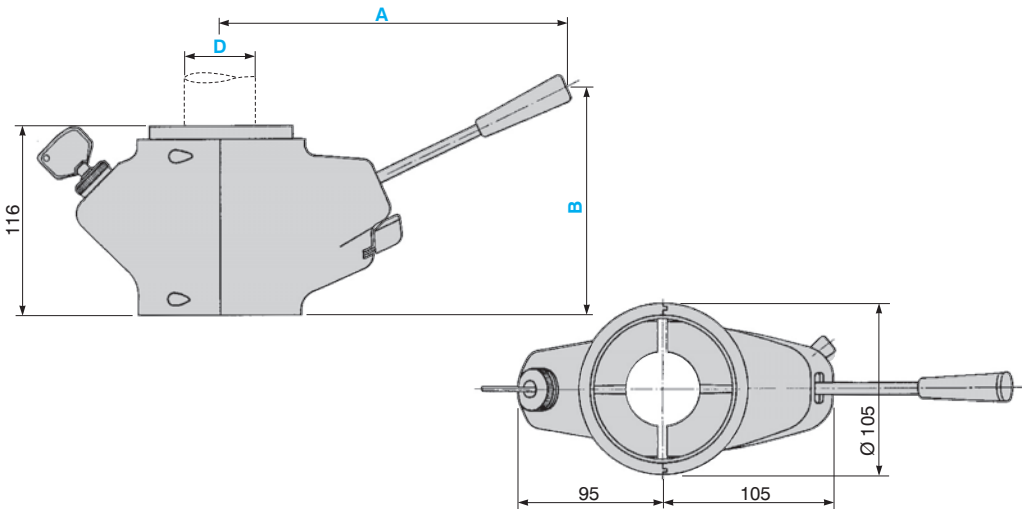
P/N	A	B	C		FUNZIONI FUNCTIONS	D

• **Serie 109** fissaggio a piantone sterzo
DEVIAGUIDA COMANDO LUCI
 Corpo: Nylon nero
 Applicazione: Autocarri

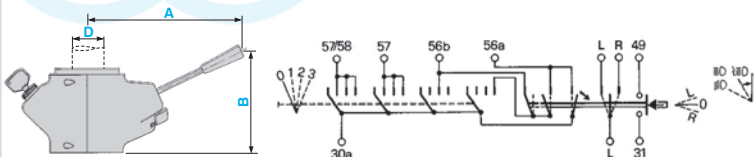
• **Series 109** steering column mounting
LIGHT CONTROL SWITCH
 Housing: Black nylon
 Application: Trucks



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A
	7A	5A



047



P/N	A	B	C		FUNZIONI FUNCTIONS	D
01.125.000	212	136				Ø 45

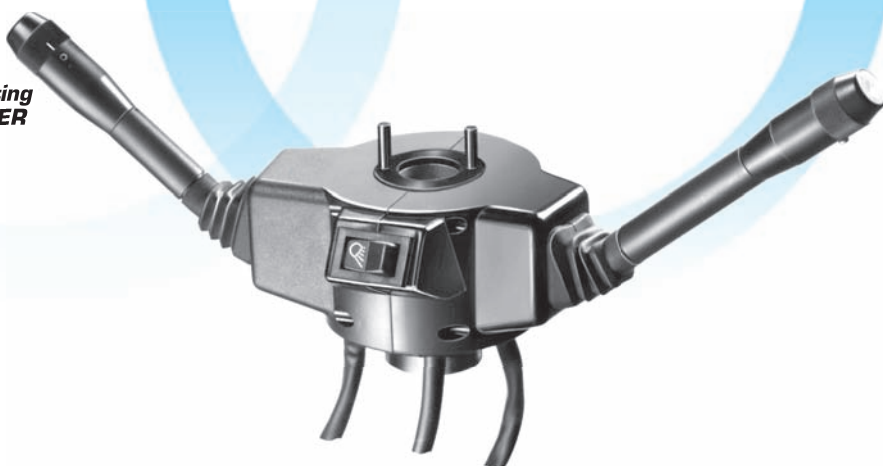
P/N	A	B	C		FUNZIONI FUNCTIONS	D

• **Series 246** *steering column mounting*
LIGHT CONTROL SWITCH + WINDSHIELD WIPER

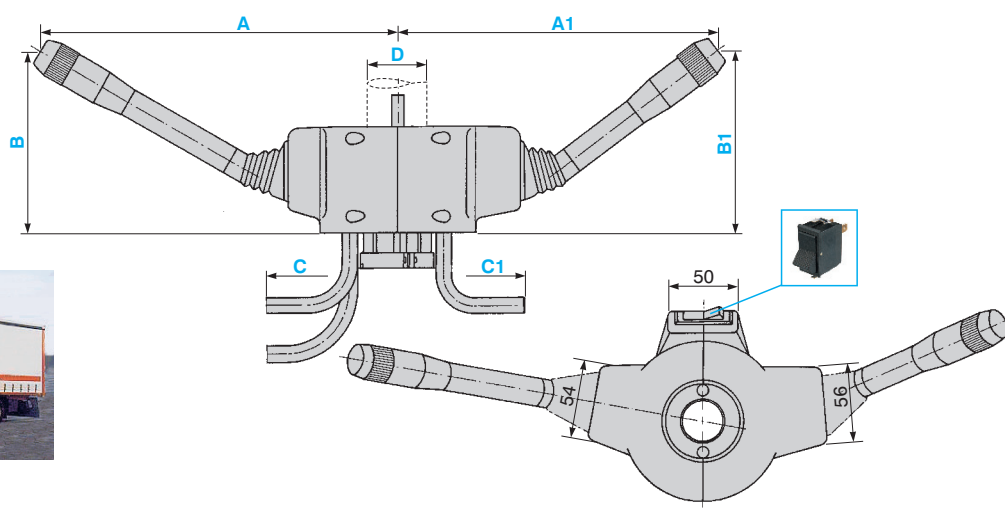
Applicazione: Autocarri

• **Series 246** *steering column mounting*
LIGHT CONTROL SWITCH + WINDSHIELD WIPER

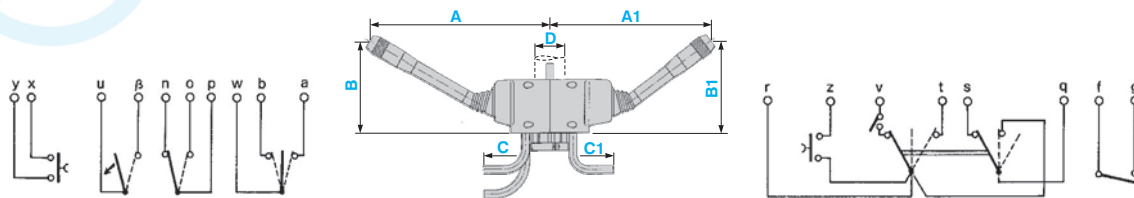
Application: Trucks



FUNZIONI FUNCTIONS	CARICO MAX PEAK LOAD	
	12V	24V
	5A	3A
	6,5A	4,5A
	7A	5A
	7A	5A
	7A	5A
	5A	3A
	1,8A	1A
	8A	5A
	9A	6A
	3A	3A

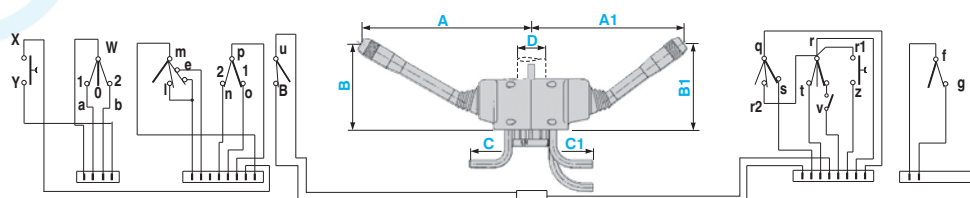
[illegible]

043



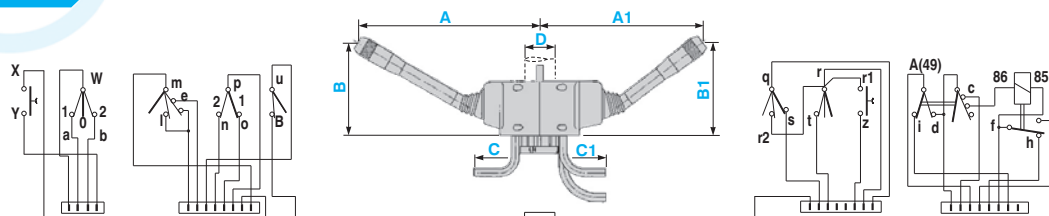
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.218.000 NERO - BLACK	265	155		01.218.500		Ø 32	 16.101.000	235	160		01.218.600

099



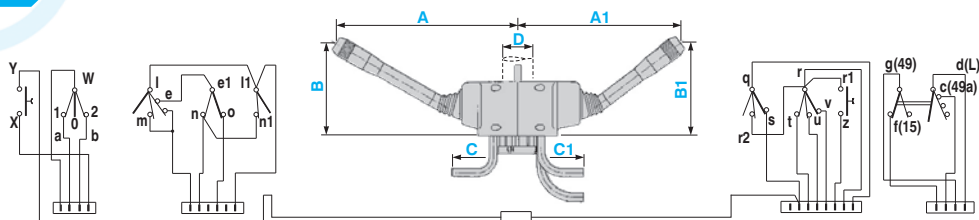
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.329.000 NERO - BLACK	265	155		01.329.500		Ø 32	 16.253.000	235	160		01.329.600

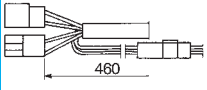
044



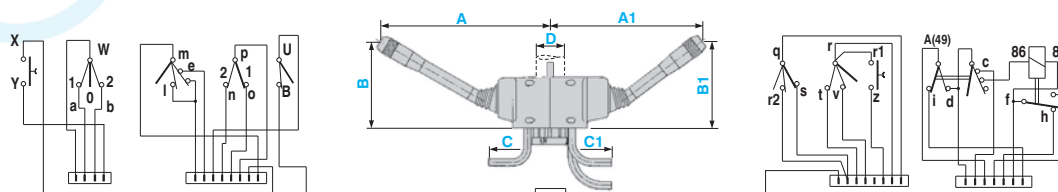
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.245.000 NERO - BLACK	265	155		01.245.500		Ø 32	 16.253.000	235	160		01.245.600
01.246.000 NERO - BLACK	265	155		01.245.500		Ø 32	 16.253.000	235	160	 connettore a 8 vie connector 8 pins	01.246.600

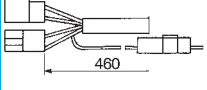
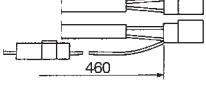
045



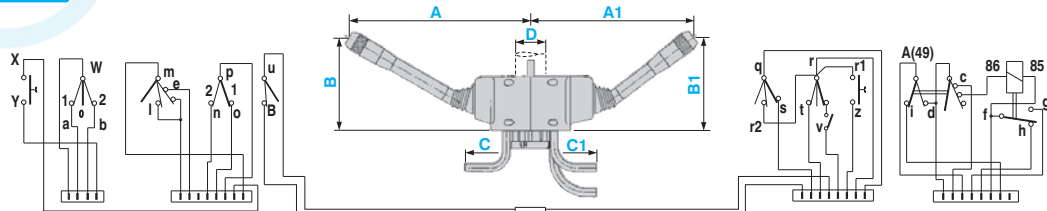
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.256.000 NERO - BLACK	265	155		01.255.500		Ø 32		235	160		01.256.600

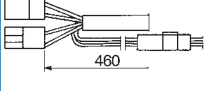
053



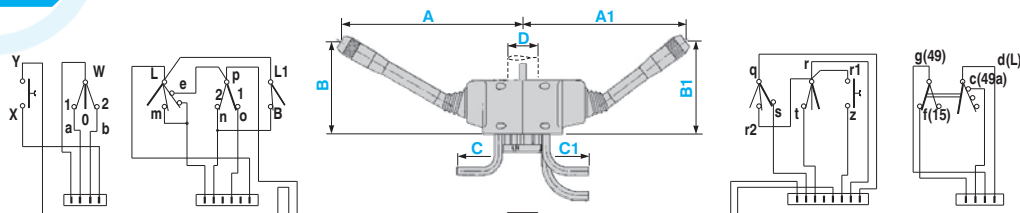
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.275.000 GRIGIO - GREY	265	155		01.275.500		Ø 32		235	160		01.275.600

050



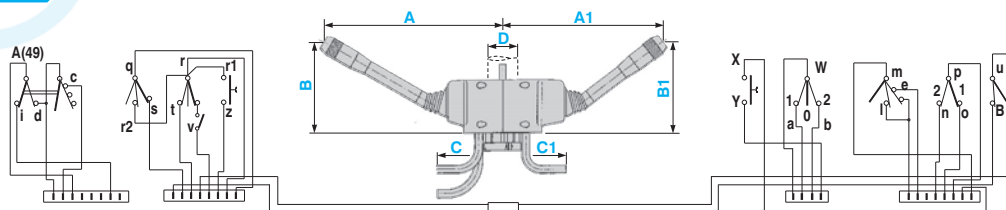
P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.244.000 GRIGIO - GREY	265	155		01.244.500		Ø 32		235	160		01.244.600

051



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.255.000 NERO - BLACK	265	155		01.255.500	 16.253.000	Ø 32	 16.253.000	235	160		01.255.600

052



P/N	A	B	C	RICAMBIO SPARE PART	FUNZIONI FUNCTIONS	D	FUNZIONI FUNCTIONS	A1	B1	C1	RICAMBIO SPARE PART
01.262.000 GRIGIO - GREY	230	165		01.262.500	 16.253.000	Ø 32		260	165		01.262.600