

**COMMUTATORI
ROTATIVI
E COMANDI P.T.O.**

*ROTARY LIGHT/P.T.O.
SWITCHES*



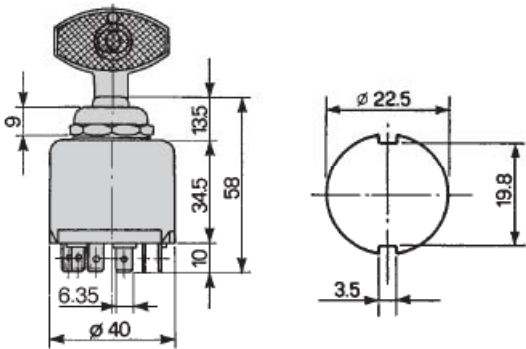
- Quadretti di distribuzione luci
- Light switches



OPTIONAL
14.109.500

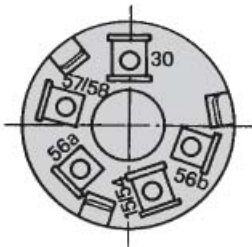
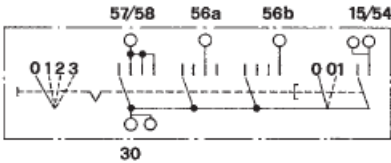


OPTIONAL
14.109.001



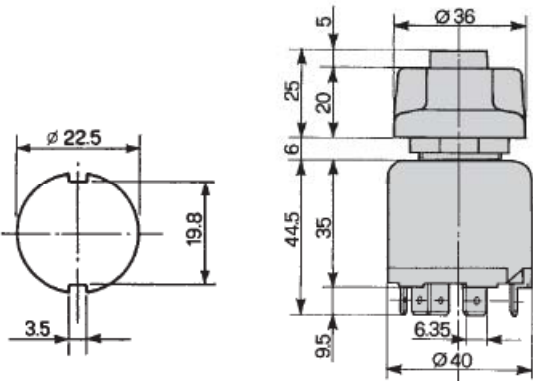
23.100.000

Chiave innestabile e disinnestabile in tutte le posizioni
Key on and off in all positions



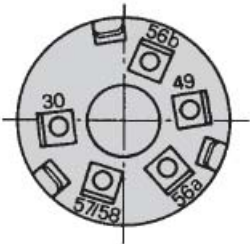
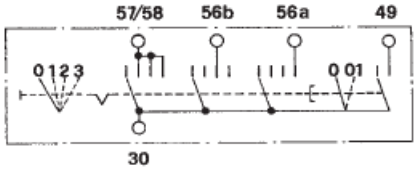
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0 disinnestata-off 0 innestata-on	30 - 15/54	15 A	∞	servizi - auxiliary functions
1 disinnestata-off 1 innestata-on	30 - 57/58 30 - 15/54 30 - 57/58	10 A 5 A+10 A	∞ ∞	luci di posizione - parking lights servizi - auxiliary functions
2 disinnestata-off 2 innestata-on	30 - 57/58 30 - 56/b 30 - 15/54 30 - 57/58 30 - 56/b	15 A+10 A 15 A+10 A+10A	∞ ∞	luci di posizione/anabbaglianti - parking lights/low beams servizi - auxiliary functions
2 disinnestata-off 2 innestata-on	30 - 57/58 30 - 56/a 30 - 15/54 30 - 57/58 30 - 56/a	10 A+10 A 15 A+10 A+10 A	∞ ∞	servizi / luci di posizione / anabbaglianti auxiliary functions / parking lights / low beams servizi / luci di posizione / anabbaglianti auxiliary functions / parking lights / low beams

- Quadretti di distribuzione luci
- Light switches



23.101.000

Commutatore luci con pulsante claxon unipolare (30 - 49)
Light switch with single-pole horn push button (30 - 49)

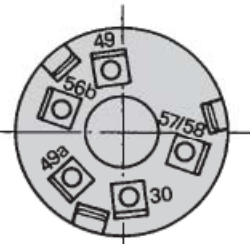
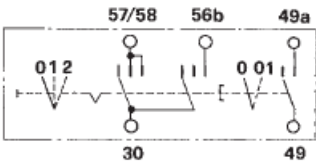


OPTIONAL
30.16.07403

POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - parking lights
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	30 - 57/58 30 - 56/a	10A 10A	∞	luci di posizione / abbaglianti parking lights / high beams
	30 - 49	5A	1 min.	avvisatore acustico - horn

23.107.000

Commutatore luci con pulsante claxon bipolare (30 - 49a)
Light switch with bipolar horn push button (30 - 49a)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - parking lights
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti parking lights / low beams
	49 - 49/a	5A	1 min.	avvisatore acustico - horn

- Quadretti di distribuzione luci
- *Light switches*



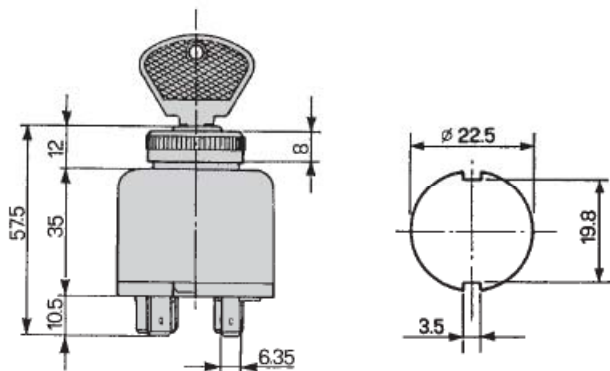
OPTIONAL
14.126.200



OPTIONAL
14.109.500

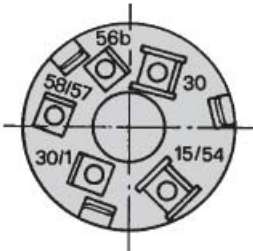
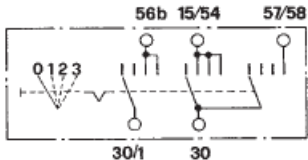


OPTIONAL
14.109.001



23.105.000

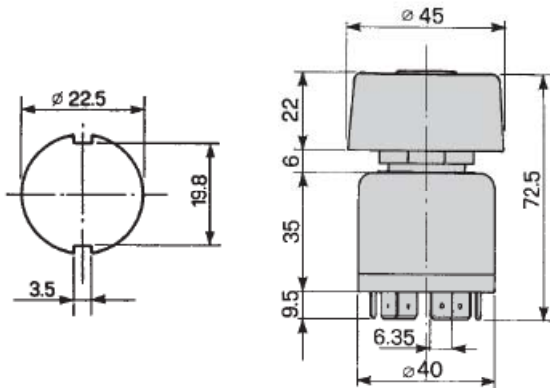
Chiave tipo lucas estraibile solo nella posizione 0
Key lucas model removable only in position 0



OPTIONAL
30.16.04275

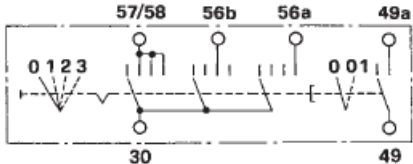
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 15/54	30A	1 min.	consenso avviamento - start consent
2	30 - 15/54 30/1 - 56b	10A 10A	∞	consenso avviamento - start consent
3	30 - 57/58 30 - 15/54 30/1 - 5b	10A 10A 5A	∞	consenso avviamento - start consent

- Quadretti di distribuzione luci
- Light switches



23.108.000

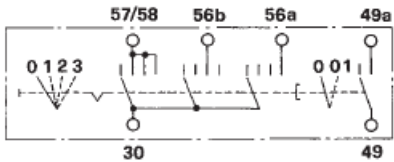
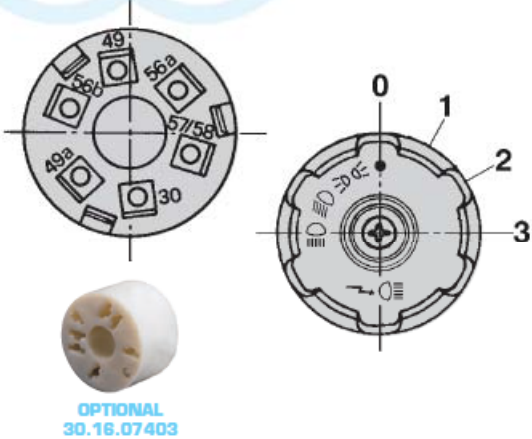
Commutatore luci con pulsante claxon bipolare (30 - 49a)
Light switch with bipolar horn push button (30 - 49a)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - parking lights
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	30 - 57/58 30 - 56/a	10A 10A	∞	luci di posizione / abbaglianti parking lights / high beams
	30 - 49/a	5A	1 min.	avvisatore acustico - horn

23.125.000

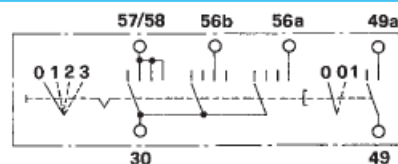
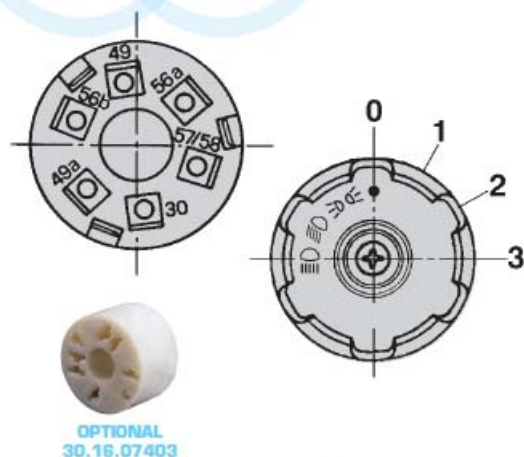
Commutatore luci con pulsante claxon bipolare (30 - 49a)
Light switch with bipolar horn push button (30 - 49a)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - parking lights
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	30 - 57/58 30 - 56/a	10A 10A	∞	luci di posizione / abbaglianti parking lights / high beams
	30 - 49/a	5A	1 min.	lampe luci - high beams flashing

23.0158.0000

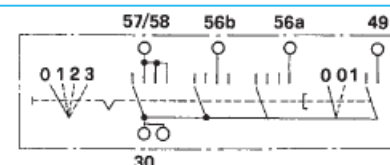
Commutatore luci con pulsante claxon bipolare (30 - 49a)
Light switch with bipolar horn push button (30 - 49a)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - <i>parking lights</i>
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	30 - 57/58 30 - 56/a	10A 10A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>

23.110.000

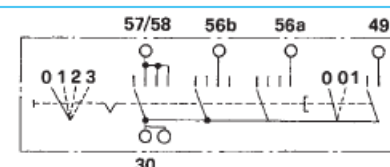
Commutatore luci con pulsante claxon unipolare (30 - 49)
Light switch with single-pole horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - <i>parking lights</i>
2	30 - 57/58 30 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	30 - 57/58 30 - 56/a	15A 15A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	30 - 49	7A	1 min.	avvisatore acustico - <i>horn</i>

23.0156.0000

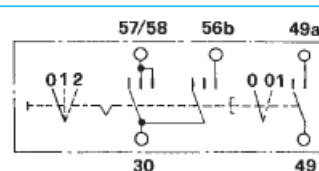
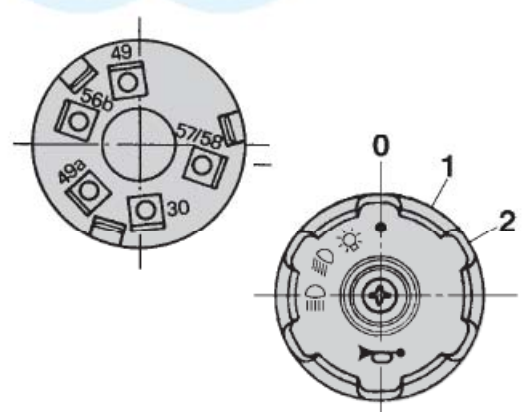
Commutatore luci con pulsante claxon unipolare (30 - 49)
Light switch with single-pole horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - <i>parking lights</i>
2	30 - 57/58 30 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	30 - 57/58 30 - 56/a	15A 15A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	30 - 49	7A	1 min.	avvisatore acustico - <i>horn</i>

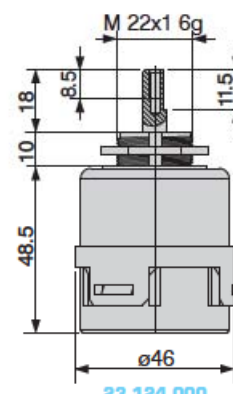
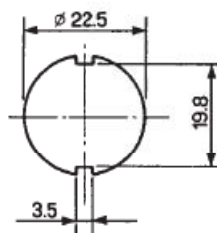
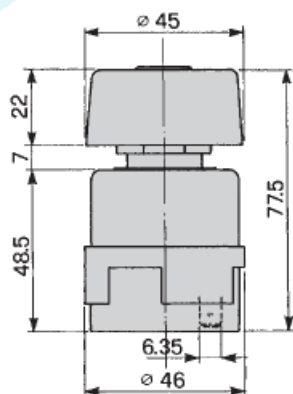
23.0175.0000

Commutatore luci con pulsante claxon unipolare (30 - 49)
Light switch with single-pole horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 57/58	20 A	∞	luci di posizione - <i>parking lights</i>
2	30 - 57/58 30 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
	30 - 49/a	5A	1 min.	avvisatore acustico - <i>horn</i>

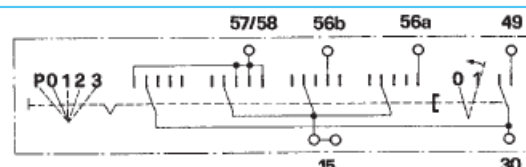
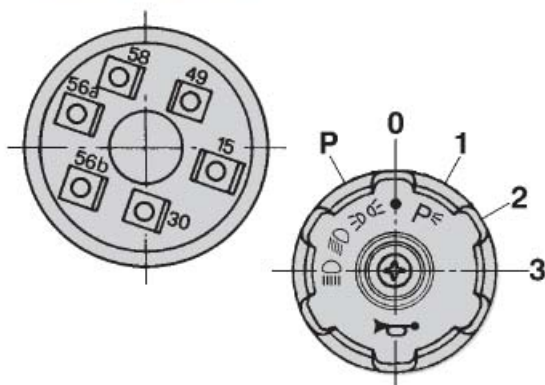
- Quadretti di distribuzione luci
- *Light switches*



23.124.000

23.109.000

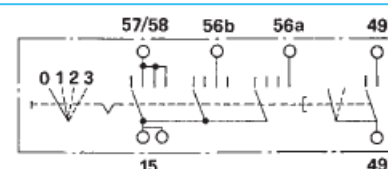
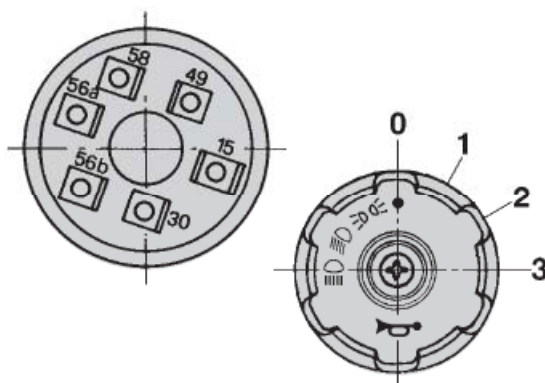
Commutatore luci con pulsante claxon bipolare (30 - 49)
Light switch with bipolar horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
P	30 - 58/57	20A	∞	luci di posizione - <i>parking lights</i>
0	-	-	-	-
1	15 - 58/57	20A	∞	luci di posizione - <i>parking lights</i>
2	15 - 58/57 15 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	15 - 58/57 15 - 56/a	15A 15A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	30 - 49	7A	1 min.	avvisatore acustico - <i>horn</i>

23.111.000

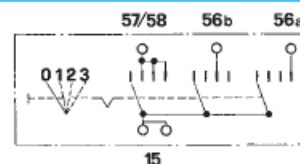
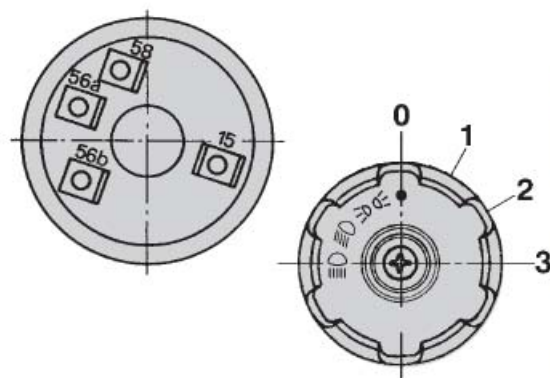
Commutatore luci con pulsante claxon bipolare (30 - 49)
Light switch with bipolar horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 58/57	20 A	∞	luci di posizione - <i>parking lights</i>
2	15 - 58/57 15 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	15 - 58/57 15 - 56/a	15A 15A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	30 - 49	5A	1 min.	avvisatore acustico - <i>horn</i>

23.115.000

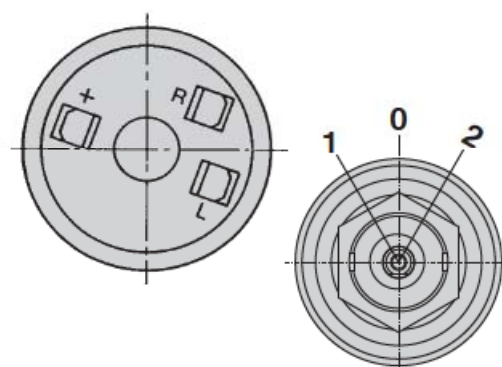
Senza awisatore acustico
Without horn push button



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 57/58	20A	∞	luci di posizione - parking lights
2	15 - 57/58 30 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	15 - 57/58 30 - 56/a	15A 15A	∞	luci di posizione / abbaglianti parking lights / high beams

23.124.000

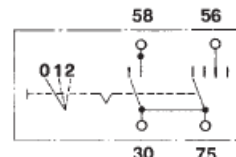
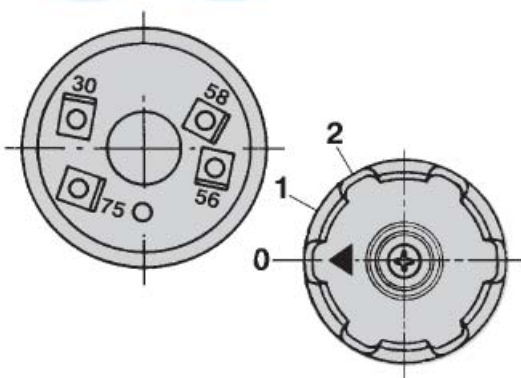
Commutatore rotativo a 3 posizioni
3 position rotary switch



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	+L	20A	∞	-
2	+R	20A	∞	-

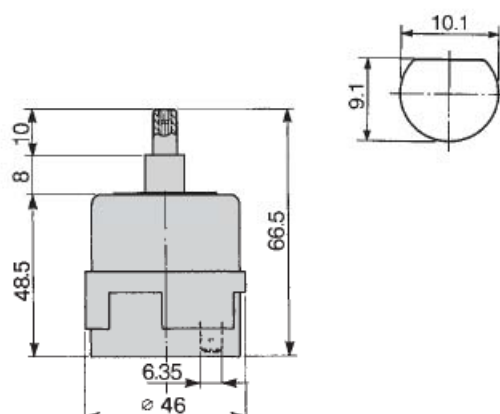
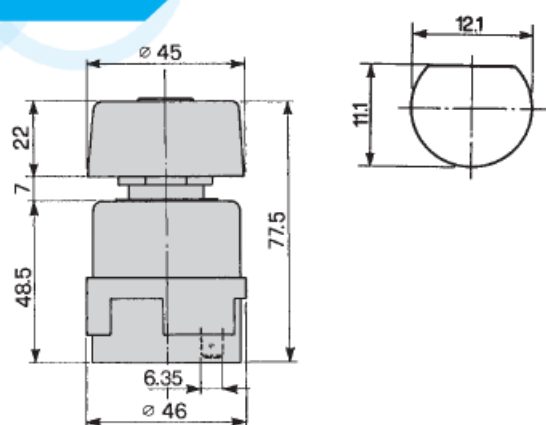
23.143.000

Commutatore rotativo a 3 posizioni
3 position rotary switch



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 58	20A	∞	-
2	75 - 56	20A	∞	-

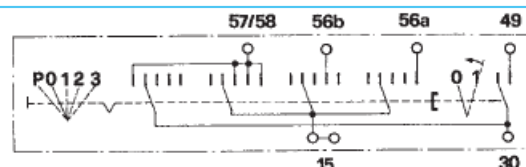
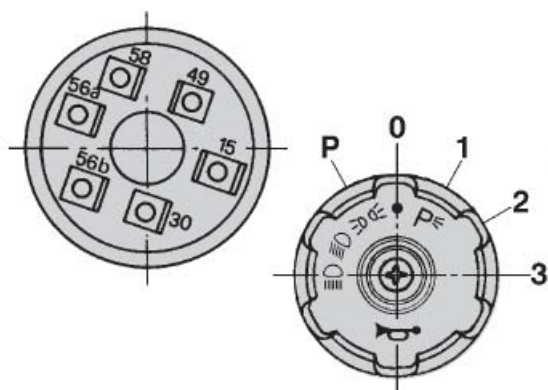
- Quadretti di distribuzione luci
- Light switches



23.144.000

23.112.000

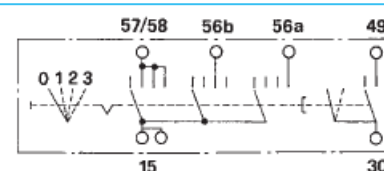
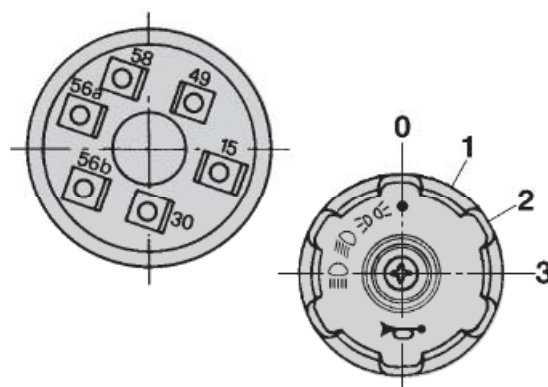
Commutatore luci con pulsante claxon bipolare (30 - 49)
Light switch with bipolar horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
P	30 - 58/57	20A	∞	luci di posizione - parking lights
0	-	-	-	-
1	15 - 58/57	20A	∞	luci di posizione - parking lights
2	15 - 58/57 15 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	15 - 58/57 15 - 56/a	15A 15A	∞	luci di posizione / abbaglianti parking lights / high beams
	30 - 49	7A	1 min.	avvisatore acustico - horn

23.113.000

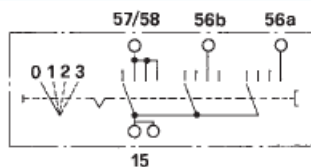
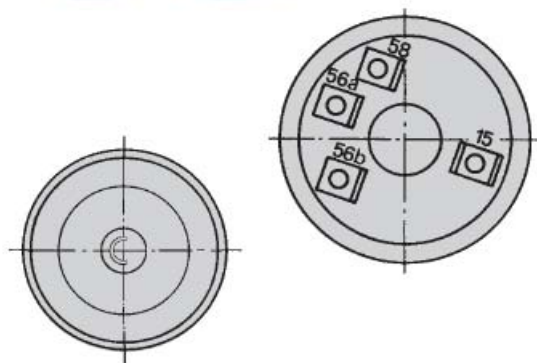
Commutatore luci con pulsante claxon bipolare (30 - 49)
Light switch with bipolar horn push button (30 - 49)



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONN. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 58/57	20 A	∞	luci di posizione - parking lights
2	15 - 58/57 15 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti parking lights / low beams
3	15 - 58/57 15 - 56/a	15A 15A	∞	luci di posizione / abbaglianti parking lights / high beams
	30 - 49	5A	1 min.	avvisatore acustico - horn

23.144.000

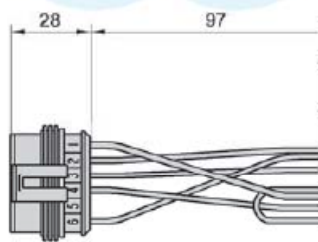
Commutatore luci con pulsante claxon bipolare
Light switch with bipolar horn push button



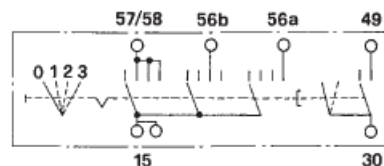
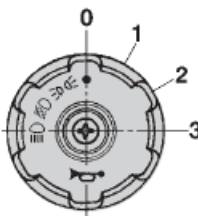
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 58/57	20A	∞	luci di posizione - <i>parking lights</i>
2	15 - 58/57 30 - 56/b	15A 15A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	15 - 58/57 30 - 56/a	15A 15A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>

23.0173.0000

Commutatore luci con pulsante claxon bipolare
Light switch with bipolar horn push button



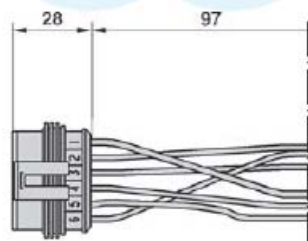
Connessioni Connections	Colore cavo Cable colour	Sezione cavo Wire range
1 - 15	rosso/red	1.5 mm ²
2 - 58	giallo/yellow	1 mm ²
3 - 56a	verde/green	1 mm ²
4 - 56b	grigio/grey	1 mm ²
5	-	-
6 - 49	viola/purple	1 mm ²



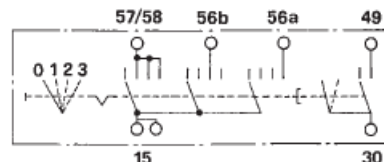
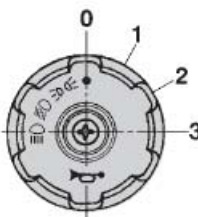
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 58/57	2,5 A	∞	luci di posizione - <i>parking lights</i>
2	15 - 58/57 15 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	15 - 58/57 15 - 56/a	10A 10A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	15 - 49	6A	30 sec. ON 690 sec. OFF	avvisatore acustico - <i>horn</i>

23.0179.0000

Commutatore luci con pulsante claxon bipolare
Light switch with bipolar horn push button

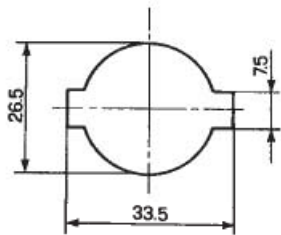
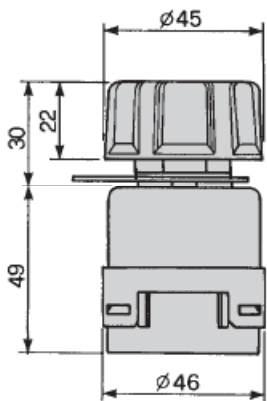


Connessioni Connections	Colore cavo Cable colour	Sezione cavo Wire range
1 - 15	rosso/red	1.5 mm ²
2 - 58	giallo/yellow	1 mm ²
3 - 56a	verde/green	1 mm ²
4 - 56b	grigio/grey	1 mm ²
5 - 30	rosso/red	1.5 mm ²
6 - 49	viola/purple	1 mm ²



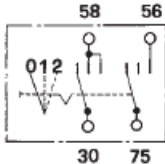
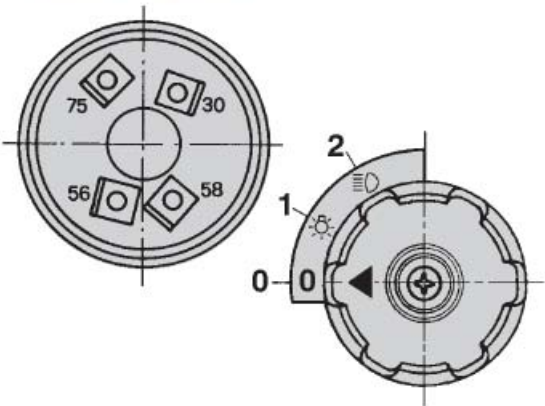
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	15 - 58/57	2,5 A	∞	luci di posizione - <i>parking lights</i>
2	15 - 58/57 15 - 56/b	10A 10A	∞	luci di posizione / anabbaglianti <i>parking lights / low beams</i>
3	15 - 58/57 15 - 56/a	10A 10A	∞	luci di posizione / abbaglianti <i>parking lights / high beams</i>
	30 - 49	6A	30 sec. ON 690 sec. OFF	avvisatore acustico - <i>horn</i>

- Quadretti di distribuzione luci
- *Light switches*



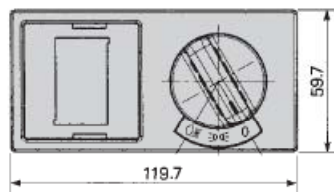
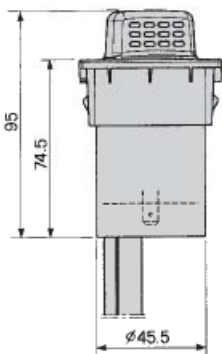
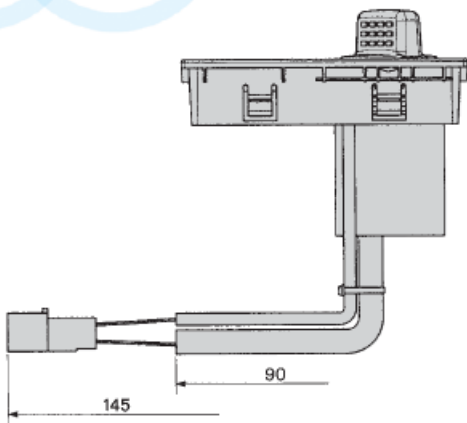
23.114.000

Quadretto di distribuzione luci
Light switch



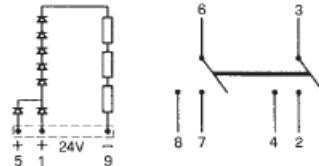
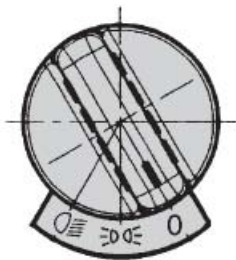
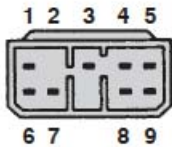
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30 - 58	20 A	∞	servizi - auxiliary functions
2	30 - 58 75 - 56	20A 20A	∞	servizi / luci - auxiliary functions / lights

- Quadretti di distribuzione luci
- Light switches



23.137.000

Quadretto di distribuzione luci
Light switches



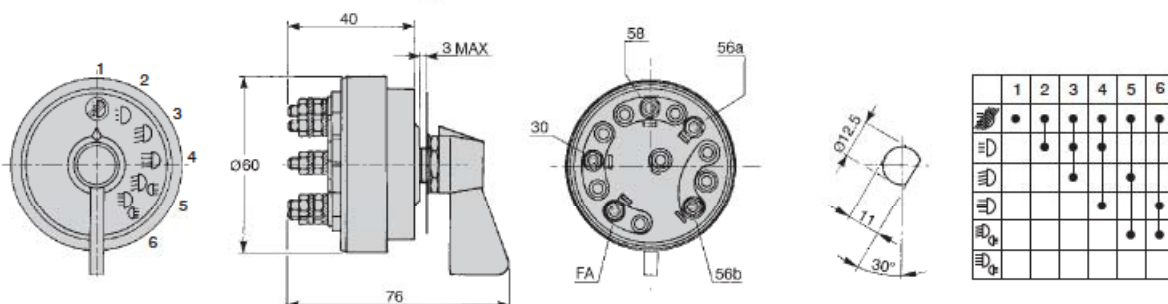
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNec. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	30/1 - 15 30 - 15/54	20A 20A	∞ ∞	marcia - gear
2	30/1 - 15 30 - 15/54 30 - 50	20A 20A 20A	∞ ∞ 1 min.	marcia / consenso avviamento gear / start consent

- **Commutatori rotativi**
- **Rotary switches**



OMB1739000

Commutatore rotativo - corpo: lega di alluminio trattato e verniciato
Rotary switch - housing: treated/painted aluminium alloy

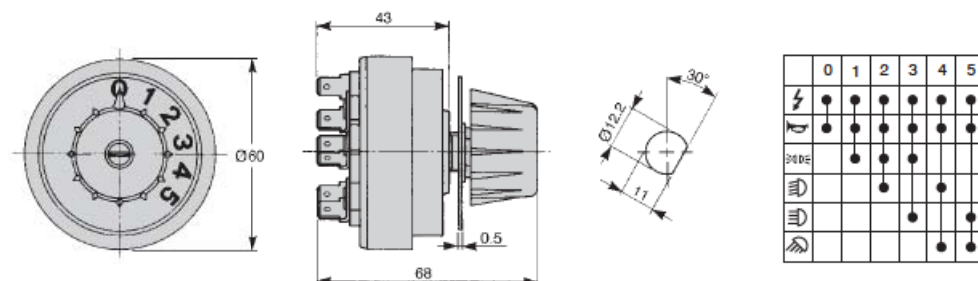


	1	2	3	4	5	6
1	•					
2		•				
3			•			
4				•		
5					•	
6						•

TENS. NOMINALE NOMINAL VOLTAGE	CORRENTE MAX MAX CURRENT	N° CICLI N° LIFE CYCLES	GRADO DI PROT. SEALING	TEMP. DI FUNZ. OPERATING TEMP.	FUNZIONI FUNCTIONS
24V	10 A induttivi/inductive	-	IP 67	-	
24V	20 A resistivi/resistive	-	IP 67	-	

IMOCO1171000

Commutatore rotativo - corpo: lega di alluminio
Rotary switch - housing: aluminium alloy

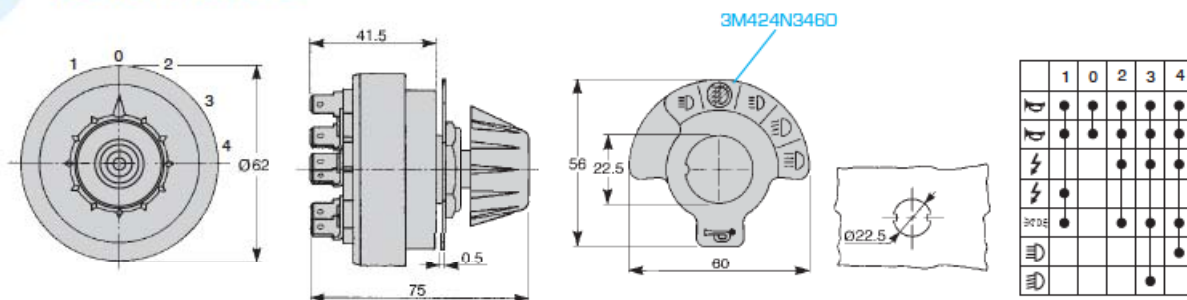


	0	1	2	3	4	5
1	•					
2		•				
3			•			
4				•		
5					•	

TENS. NOMINALE NOMINAL VOLTAGE	CORRENTE MAX MAX CURRENT	N° CICLI N° LIFE CYCLES	GRADO DI PROT. SEALING	TEMP. DI FUNZ. OPERATING TEMP.	FUNZIONI FUNCTIONS
24V	8 A induttivi/inductive	-	IP 66	-	
24V	15 A resistivi/resistive	-	IP 66	-	

IMOCO2139000

Commutatore rotativo - corpo: materiale plastico
Rotary switch - housing: plastic

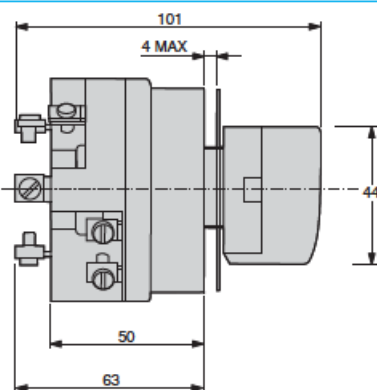
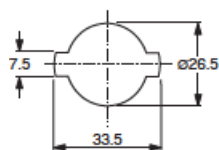
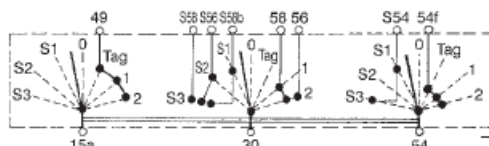
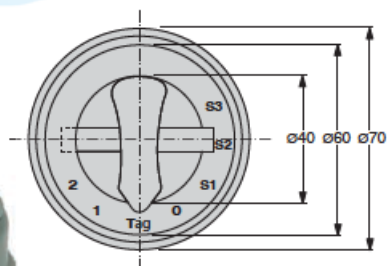


	1	0	2	3	4
1	•				
2		•			
3			•		
4				•	
5					•

TENS. NOMINALE NOMINAL VOLTAGE	CORRENTE MAX MAX CURRENT	N° CICLI N° LIFE CYCLES	GRADO DI PROT. SEALING	TEMP. DI FUNZ. OPERATING TEMP.	FUNZIONI FUNCTIONS
24V	8 A induttivi/inductive	-	IP 55	-	
24V	15 A resistivi/resistive	-	IP 55	-	

3M424N4620

Commutatore rotativo - corpo: acciaio trattato e verniciato
 Rotary switch - housing: treated/painted steel



TENS. NOMINALE NOMINAL VOLTAGE	CORRENTE MAX MAX CURRENT	N° CICLI N° LIFE CYCLES	GRADO DI PROT. SEALING	TEMP. DI FUNZ. OPERATING TEMP.	FUNZIONI FUNCTIONS
24V	5 A induttivi/inductive	-	IP 44	-	
24V	20 A resistivi/resistive	-	IP 44	-	

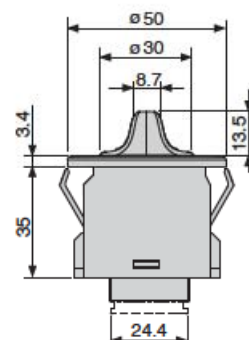
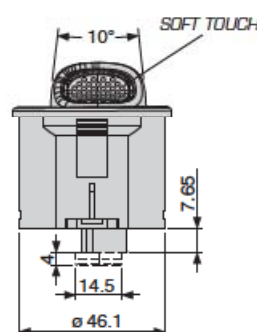
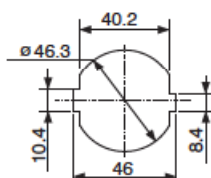
REED SWITCHES TECHNOLOGY

• Commutatore rotativo

Corpo in PC - manopola in PC/ABS soft touch - basetta con connettore integrato tipo AMP MGS 6 vie adatto a ricevere connettore maschio MGS 50402 3024DC - ideogrammi colore bianco inciso a laser illuminato con led ad alta intensità colore verde - indice colore bianco illuminato con led ad alta intensità colore verde.

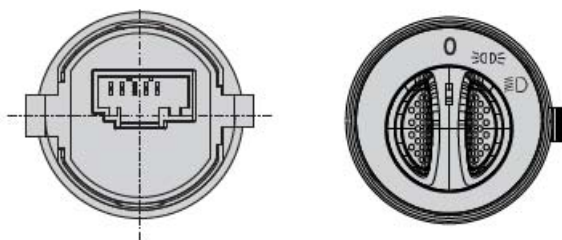
• Rotary switch

PC housing - PC/ABS + GF knob soft touch - PA + GF terminal board with 6 ways MGS AMP integrated connector suitable for MGS 50402 3024DC male connector - white colour laser engraved icons lighted by green colour high intensity led - white colour pointer lighted by green colour high intensity led.



23.0163.0000

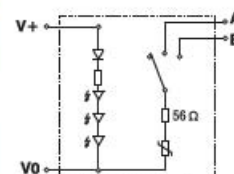
VERSIONE CON LED VERDE
GREEN LED VERSION



23.0186.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION

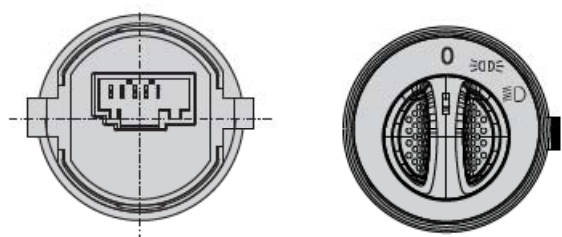
POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB UOUTPUT ⑤ UOUTPUT ④	
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	aperto - open	chiuso - closed



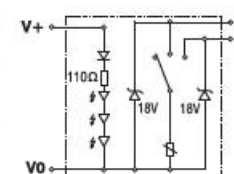
CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 0,86V
CORRENTE MASSIMA / MAX CURRENT: 15mA

23.0169.0000

VERSIONE CON LED VERDE
GREEN LED VERSION



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB UOUTPUT ⑤ UOUTPUT ④	
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	aperto - open	chiuso - closed



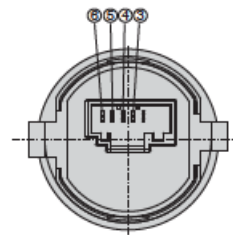
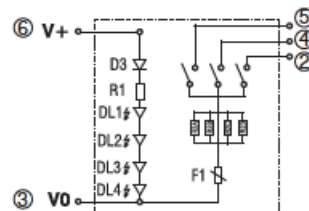
CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 0,35V
CORRENTE MASSIMA / MAX CURRENT: 250mA

23.0185.0000

VERSIONE CON LED VERDE
GREEN LED VERSION



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB		
	OUTPUT ②	OUTPUT ⑤	OUTPUT ④
0	aperto - open	aperto - open	aperto - open
1	chiuso - closed	aperto - open	aperto - open
2	aperto - open	chiuso - closed	aperto - open
3	aperto - open	aperto - open	chiuso - closed



CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 0,86V
CORRENTE MASSIMA / MAX CURRENT: 15mA

23.0188.0000

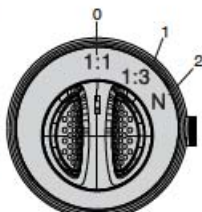
VERSIONE CON LED BIANCO
WHITE LED VERSION



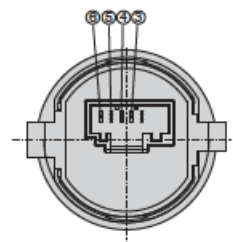
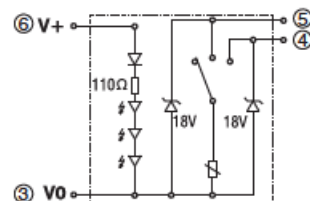
23.0190.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V
- Potenza nominale - Nominal power: 10W



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB	
	OUTPUT ⑤	OUTPUT ④
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	aperto - open	chiuso - closed

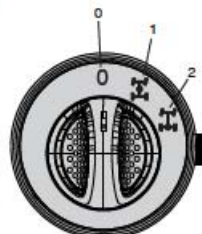


CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 0,35V
CORRENTE MASSIMA / MAX CURRENT: 250mA

23.0191.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

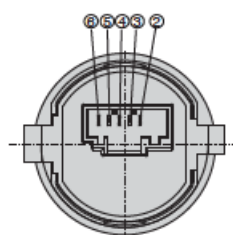
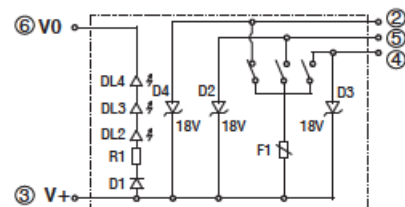
- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V
- Potenza nominale - Nominal power: 10W



23.0192.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

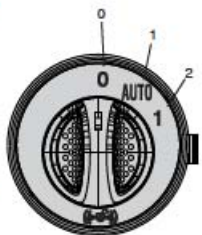
- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V
- Potenza nominale - Nominal power: 10W



23.0193.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V
- Potenza nominale - Nominal power: 10W

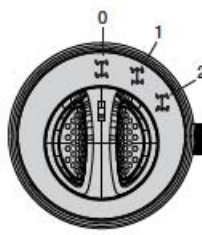


POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB		
	OUTPUT ②	OUTPUT ⑤	OUTPUT ④
0	aperto - open	aperto - open	chiuso - closed
1	chiuso - closed	aperto - open	aperto - open
2	aperto - open	chiuso - closed	aperto - open

23.0206.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

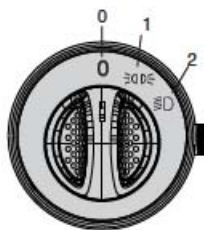
- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V
- Potenza nominale - Nominal power: 10W



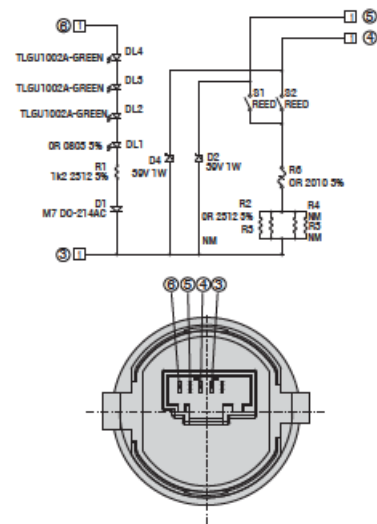
23.0194.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

- Carichi elettrici - electrical loads
250mA resistivi o induttivi - resistive or inductive
- Tensione nominale - Nominal voltage: 24V

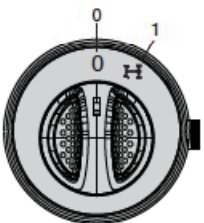


POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤ OUTPUT ④	
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	aperto - open	chiuso - closed

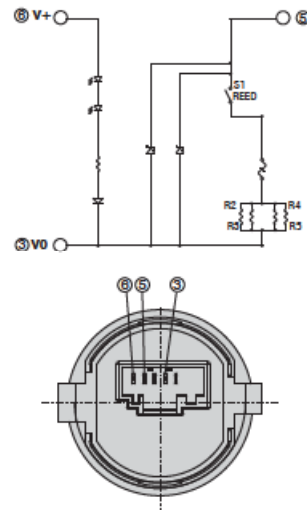


23.0195.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION



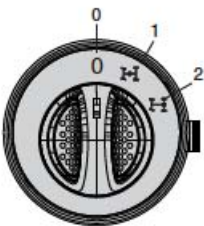
POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤	
0	aperto - open	
1	chiuso - closed	



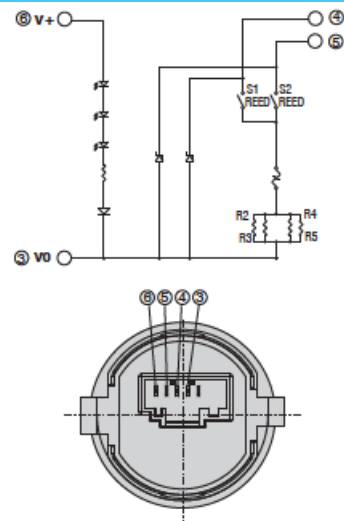
CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 2,05V
CORRENTE MASSIMA / MAX CURRENT: 250mA

23.0196.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤ OUTPUT ④	
0	aperto - open	aperto - open
1	aperto - open	chiuso - closed
2	chiuso - closed	aperto - open

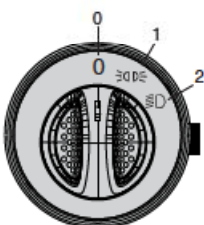


CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 2,05V
CORRENTE MASSIMA / MAX CURRENT: 250mA

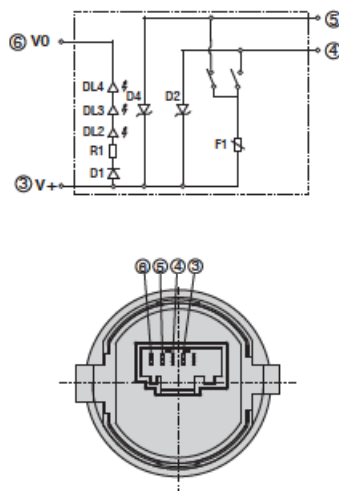
23.0211.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION

- Carichi elettrici - electrical loads:
500mA resistivi - resistive
350mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤ OUTPUT ④	
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	aperto - open	chiuso - closed



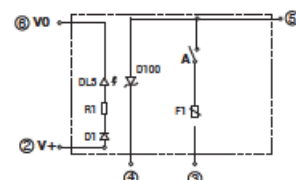
23.02 12.0000

VERSIONE CON LED ROSSO
RED LED VERSION

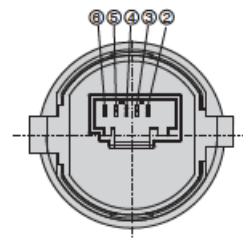
- Carichi elettrici - electrical loads:
500mA resistivi - resistive
250mA induttivi - inductive
- Tensione nominale - Nominal voltage: 12V



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤
0	aperto - open
1	chiuso - closed



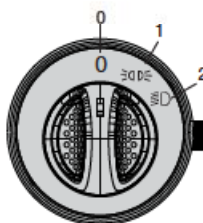
EFFETTUARE PONTE
SUL CABALGGIO
TERMINALS TO BE JUMPED
ON THE CONNECTOR



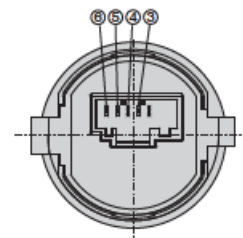
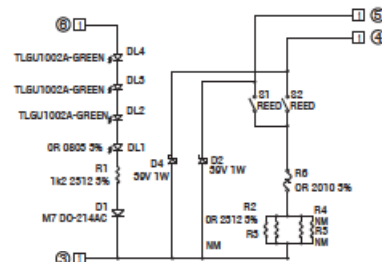
23.02 13.0000

VERSIONE CON LED VERDE
GREEN LED VERSION

- Carichi elettrici - electrical loads:
250mA resistivi o induttivi - resistive or inductive
- Tensione nominale - Nominal voltage 24V

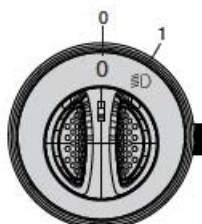


POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤	OUTPUT ④
0	aperto - open	aperto - open
1	chiuso - closed	aperto - open
2	chiuso - closed	chiuso - closed

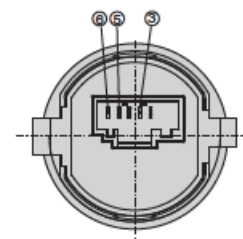
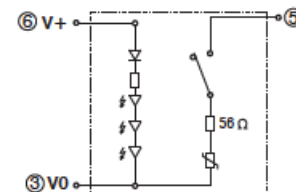


23.02 14.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION



POSIZIONE POSITION	TABELLA DI STATO / STATUS TAB OUTPUT ⑤
0	aperto - open
1	chiuso - closed



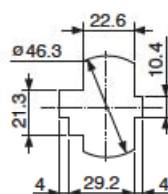
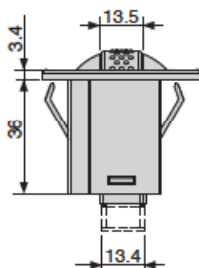
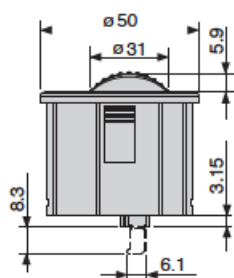
CADUTA DI TENSIONE MASSIMA / MAX VOLTAGE DROP: 0,96V
CORRENTE MASSIMA / MAX CURRENT: 15mA

• Regolatore assetto fari

Corpo in pc - rotella in pa silicati - basetta con connettore integrato tipo amp mqs 4 vie adatto a ricevere connettore maschio mqs 50402 3022dc - ideogrammi colore bianco inciso a laser.

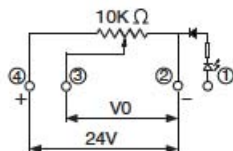
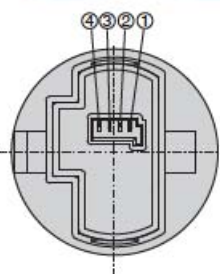
• Thumbwheel potentiometer device

Pc housing - mineral filled pa wheel - terminal board with 4 ways mqs amp integrated connector suitable for amp mqs 50402 3022dc male connector - white colour laser engraved icons.



23.0164.0000

VERSIONE CON LED VERDE
GREEN LED VERSION
24V



Valori di tensione "V" agli estremi

0°	$V_0 < 1,9V$
110°	$22.1V < V_{max} < 24V$

Caratteristiche del potenziometro:

- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

23.0187.0000

VERSIONE CON LED BIANCO
WHITE LED VERSION
24V

Voltage values "V" at the ends of the circuit

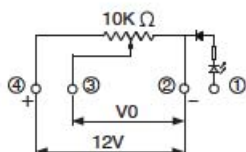
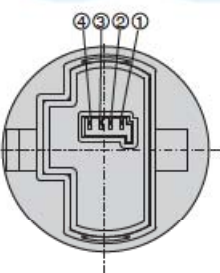
0°	$V_0 < 1,9V$
110°	$22.1V < V_{max} < 24V$

Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

23.0199.0000

VERSIONE CON LED VERDE
GREEN LED VERSION
12V



Valori di tensione "V" agli estremi

0°	$V_0 < 1,9V$
110°	$11.1V < V_{max} < 12V$

Caratteristiche del potenziometro:

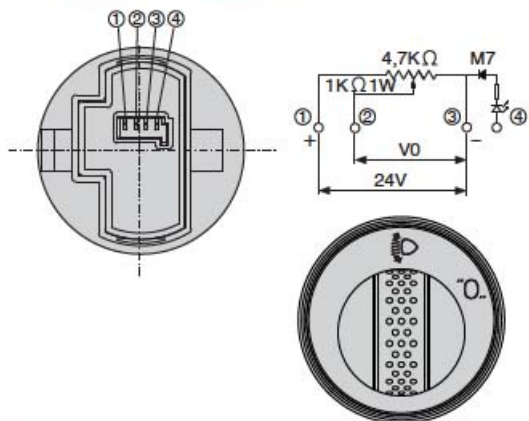
- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

Voltage values "V" at the ends of the circuit

0°	$V_0 < 1,9V$
110°	$11.1V < V_{max} < 12V$

Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

23.0184.0000VERSIONE CON LED VERDE
GREEN LED VERSION
24V**Valori di tensione "V" agli estremi**

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Caratteristiche del potenziometro:

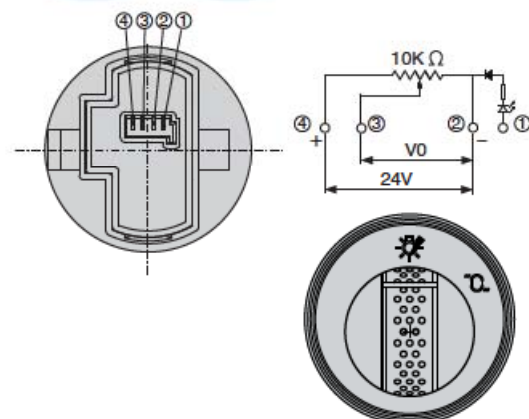
- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

Voltage values "V" at the ends of the circuit

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

23.0189.0000VERSIONE CON LED VERDE
GREEN LED VERSION
24V**Valori di tensione "V" agli estremi**

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Caratteristiche del potenziometro:

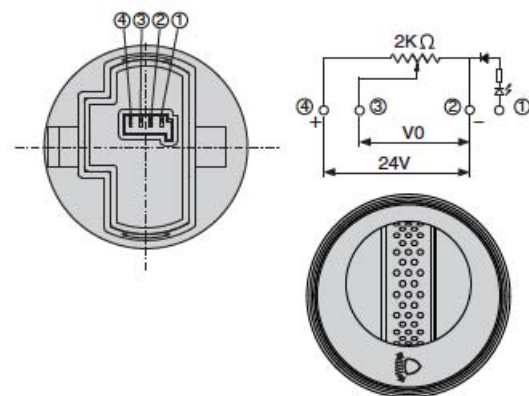
- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

Voltage values "V" at the ends of the circuit

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

23.0201.0000VERSIONE CON LED VERDE
GREEN LED VERSION
24V**Valori di tensione "V" agli estremi**

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Caratteristiche del potenziometro:

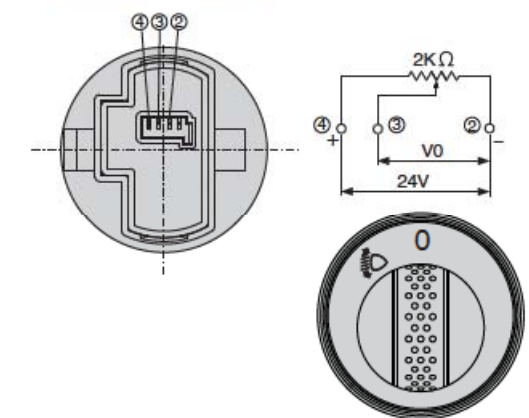
- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

Voltage values "V" at the ends of the circuit

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

23.0208.0000VERSIONE CON LED VERDE
GREEN LED VERSION
24V**Valori di tensione "V" agli estremi**

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

Caratteristiche del potenziometro:

- La tolleranza sulla resistenza è di $\pm 20\%$
- La tolleranza meccanica è di $\pm 2.1^\circ$ (Misurata sulla manopola)
- La tolleranza elettrica è di $\pm 9^\circ$ (Misurata sulla manopola)
- Resistenza residua $< 50\Omega$
- Incertezza del valore in funzione della posizione $< 3\%$

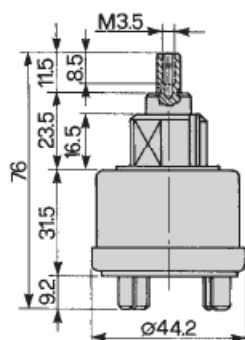
Voltage values "V" at the ends of the circuit

0° $V_0 < 1,9V$
 110° $22.1V < V_{max} < 24V$

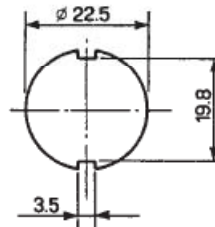
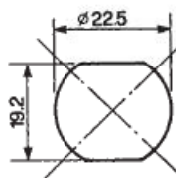
Potentiometer features:

- Ohmic tolerance: $\pm 20\%$
- Mechanical tolerance: $\pm 2.1^\circ$ (Measured on the wheel)
- Electric tolerance: $\pm 9^\circ$ (Measured on the wheel)
- End resistance $< 50\Omega$
- Dynamic noise $< 3\%$

- Interruttori rotativi per comando P.T.O.
- Rotating P.T.O. switches

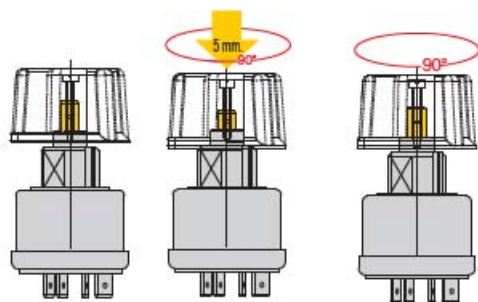


OPZIONI DI FORATURA
FIXING OPTIONS



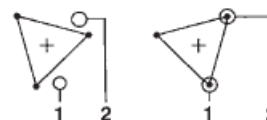
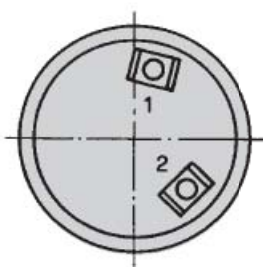
23.116.000

Interruttore rotativo per comando P.T.O.
Rotating P.T.O. switch



Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it

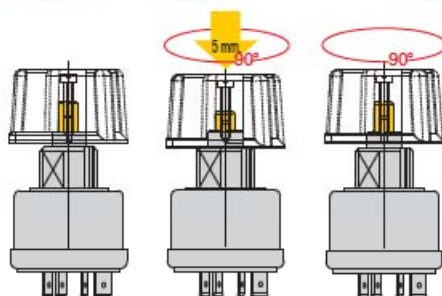


POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	1 - 2	25 A	∞	-

23.117.000

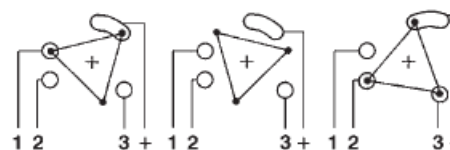
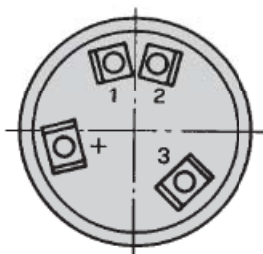
23.131.000

Interruttori rotativi per comando P.T.O.
Rotating P.T.O. switches



Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it



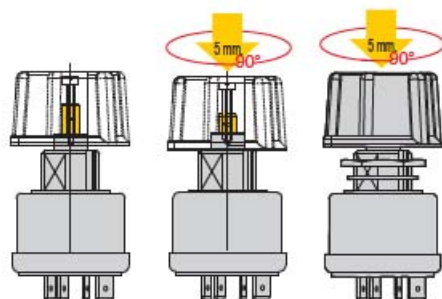
POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	+ - 1	25A	∞	-
1	-	-	-	-
2	+ - 2 + - 3	25A 25A	∞ ∞	-

23.119.000
23.119.200

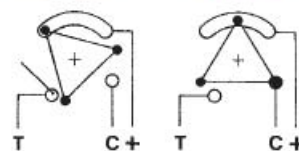
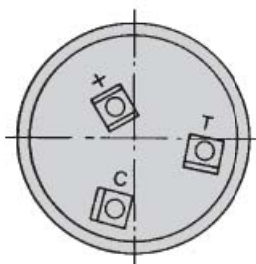
 Completo di manopola gialla
With yellow knob

23.0159.0000

 Completo di manopola rossa
With red knob

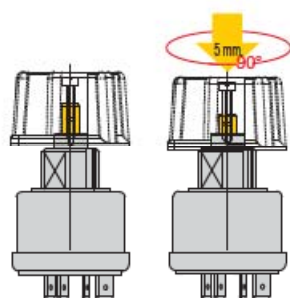
 Interruttori rotativi per comando P.T.O.
con sblocco rapido
Rotating P.T.O. switches
with quick self-reset

 Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it

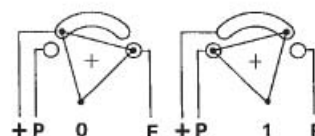
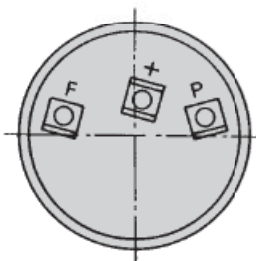


POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	+T	8A	3"	-
1	+C	25A	∞	P.T.O.

23.121.000

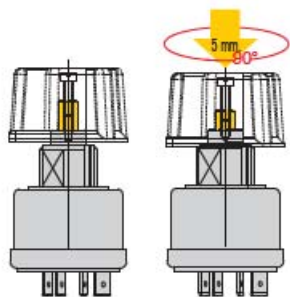
 Interruttore rotativo per comando P.T.O.
Rotating P.T.O. switch

 Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it

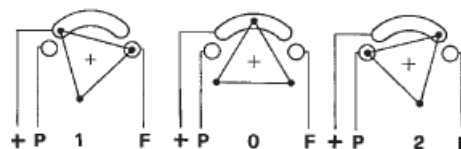
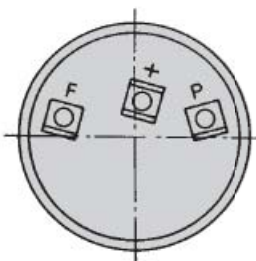


POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	+F	25A	∞	-
1	+P	25A	∞	P.T.O.

23.122.000

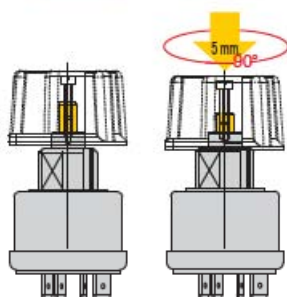
 Interruttore rotativo per comando P.T.O. con sblocco rapido
Rotating P.T.O. switch with quick self-reset

 Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it

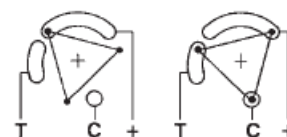
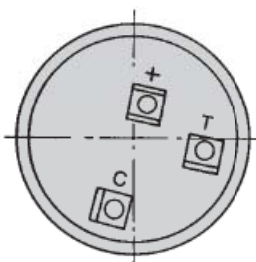


POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	-	-	-	-
1	+F	25A	∞	-
2	+P	25A	∞	P.T.O.

23.126.000

 Interruttore rotativo per comando P.T.O. con sblocco rapido
Rotating P.T.O. switch with quick self-reset

 Premere per 5 mm.
prima di effettuare
la manovra di rotazione

Press 5 mm. before turning it



POSIZIONE CHIAVE KEY POSITION	COLLEGAMENTO CONNECTION	CORRENTE MAX 12V MAX CURRENT 12V	TEMPO MAX COLL. MAX CONNEX. TIME	FUNZIONE FUNCTION
0	+T	8A	3"	-
1	+C	25A	∞	P.T.O.

• Interruttori a pulsante per comando presa di forza (P.T.O.)

Comandi per presa di forza (P.T.O.) con pulsante di sicurezza per impedire l'inserimento accidentale e sgancio rapido di emergenza premendo la manopola. Le versioni con contatti d'ottone argentato possono pilotare fino a 3 Amp induttivi @12V e 1,5 Amp induttivi @24V; le versioni con contatti d'ottone dorato 10 mA @ 12/24V. Per aumentare il grado di protezione contro polvere o acqua sono disponibili versioni dotate di cappuccio in silicone.

SPECIFICHE:

Carico elettrico:

3 Amp ind. @ 12V - 1,5 Amp ind. @ 24V

Contatti ottone argentato

10 mA @ 12/24V

Contatti ottone dorato

Durata elettrica:

150.000 cicli a pieno carico

Materiale dei contatti:

Ottone argentato o dorato

Grado di protezione:

Lato manopola IP54

Con cappuccio in silicone IP66

Lato basetta IP43

Temperatura di funzionamento:

- 40°C a +85°C (- 40°F a +185°F)

Sistema di montaggio:

Su pannello con dado di nylon

• P.T.O. Push-pull switches

P.T.O. switches with safety push button as restart inhibitor

and emergency quick self-reset pressing the knob.

Switches with silver-plated contacts accept loads up to 3 Amp

inductive @12V and 1,5 Amp inductive @24V, switches with

gold-plated contacts 10 mA @ 12/24V.

Special versions with silicone rubber cap are available

in order to increase water and dust resistance.

SPECIFICATIONS:

Electrical load:

3 Amp ind. @ 12V - 1,5 Amp ind. @ 24V

Silver-plated brass contacts

10 mA @ 12/24V

Gold-plated brass contacts

Electrical life:

150,000 cycles at full load

Contacts material:

Silver or gold-plated brass

Sealing:

Top end IP54

With silicone rubber cap IP66

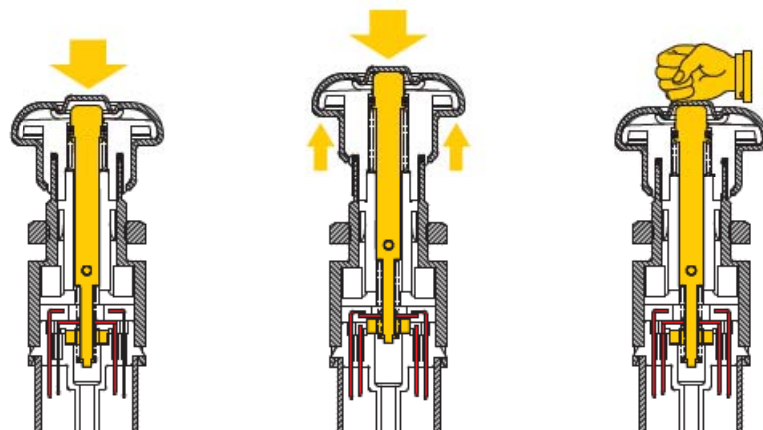
Bottom end IP43

Operating temperature:

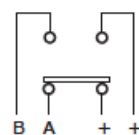
- 40°C to +85°C (- 40°F to +185°F)

Assembly:

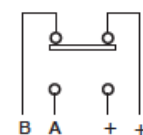
On the panel by nylon nut



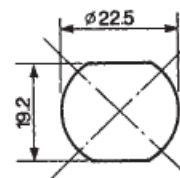
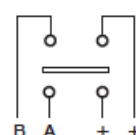
INSTABILE
MOMENTARY



STABILE
MAINTAINED



OFF

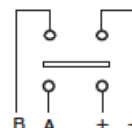
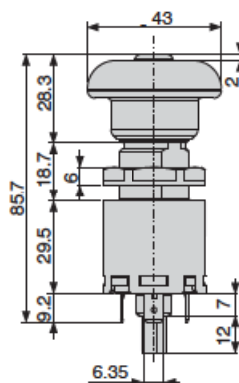
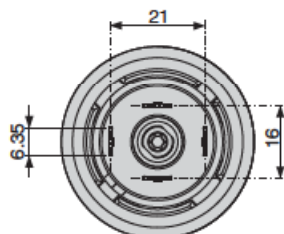


23.129.000

Con cappuccio trasparente e manopola rossa
With transparent cap and red grip handle

23.0172.0000

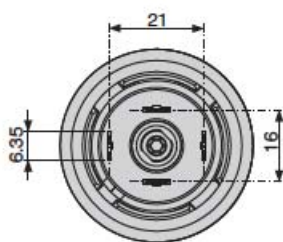
Con cappuccio rosso
With red cap



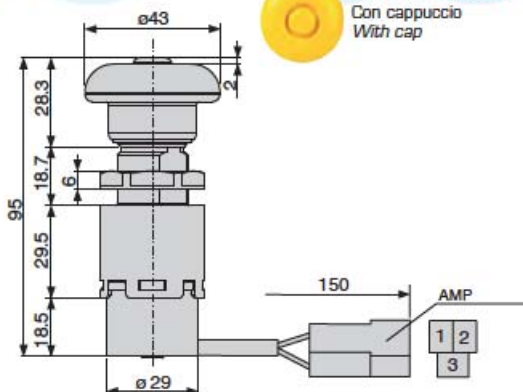
23.146.000



Con cappuccio
With cap



23.146.500

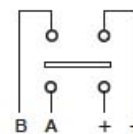


Contatti dorati
Gold-plated contacts
Con cappuccio
With cap

23.0155.0000



Contatti dorati
Gold-plated contacts

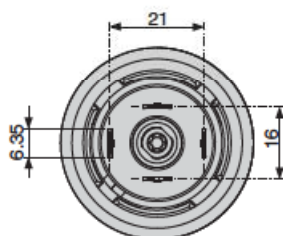


OPTIONAL:
30.16.02714
30.17.02178

23.0215.0000



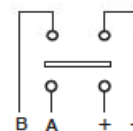
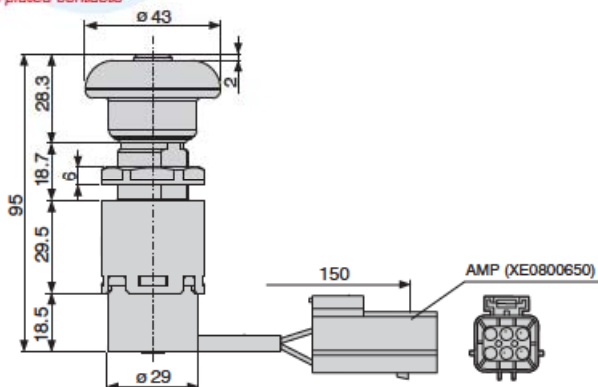
Contatti dorati
Gold-plated contacts
Con cappuccio
With cap



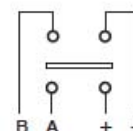
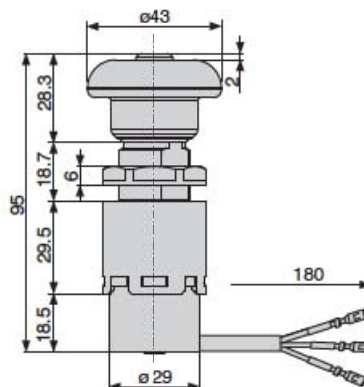
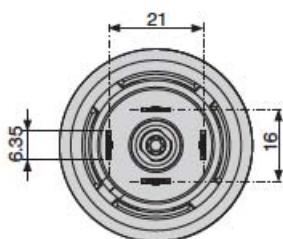
23.0215.0500



Contatti dorati
Gold-plated contacts



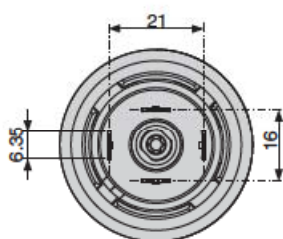
23.128.000



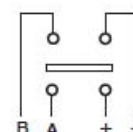
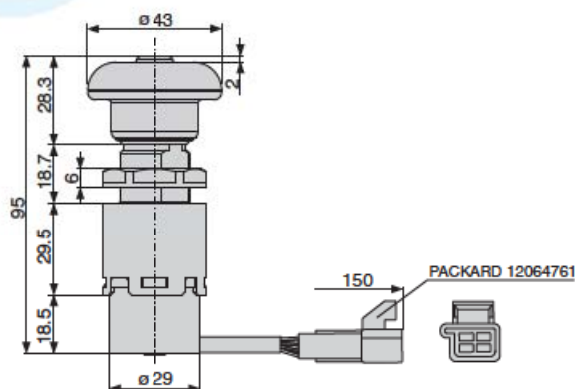
23.133.000



Con cappuccio
With cap



23.133.500

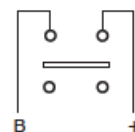
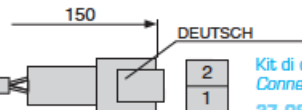
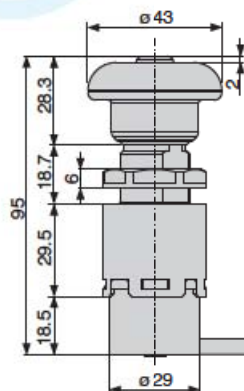
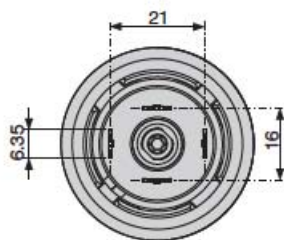


23.0152.0000

23.0152.0500



Con cappuccio
With cap



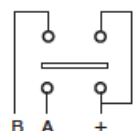
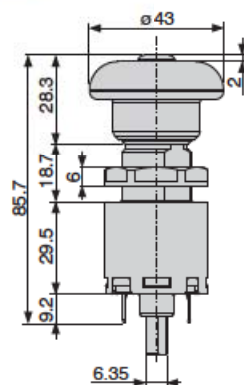
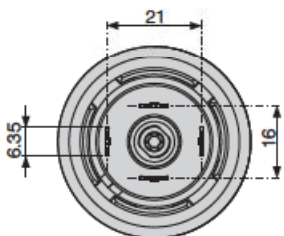
Kit di connessione DEUTSCH 2 VIE
Connection kit 2 PINS DEUTSCH
27.0909.0000

23.132.000

23.132.500



Con cappuccio
With cap

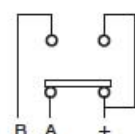
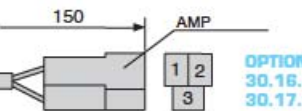
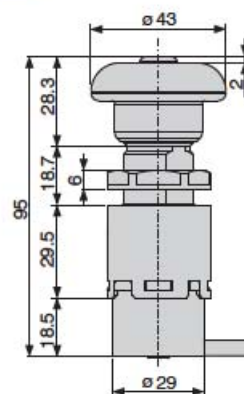
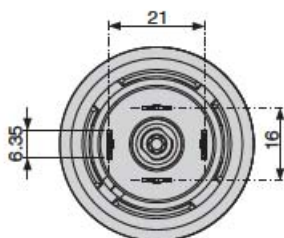


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23.0153.0500



Con cappuccio
With cap



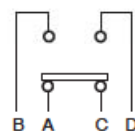
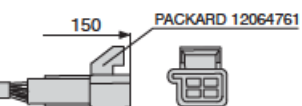
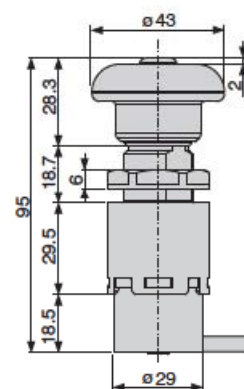
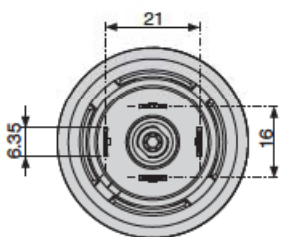
OPTIONAL:
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30.17.02178

23.135.000

23.135.500



Con cappuccio
With cap

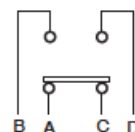
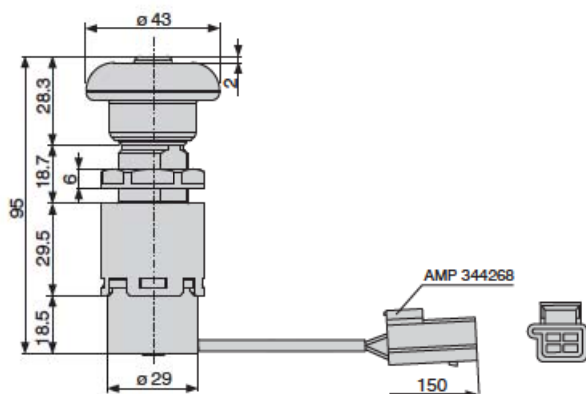
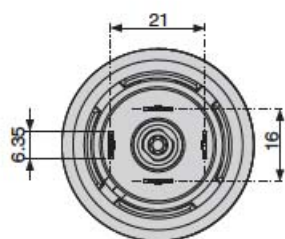


23.0178.0000

23.0178.0500



Con cappuccio
With cap

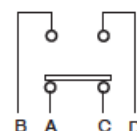
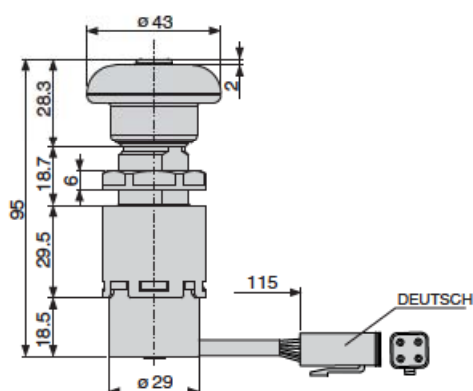
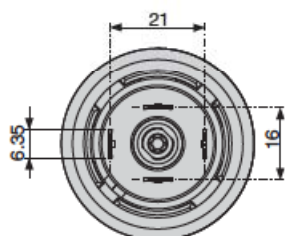


23.0200.0000

23.0200.0500



Con cappuccio
With cap



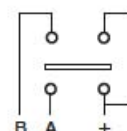
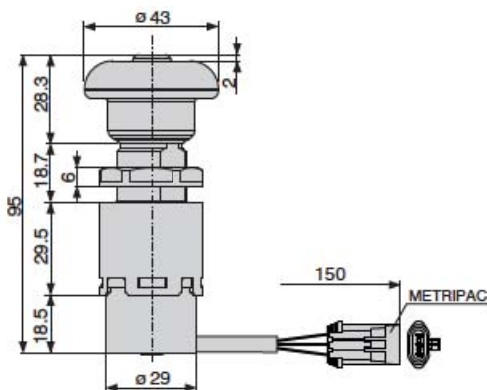
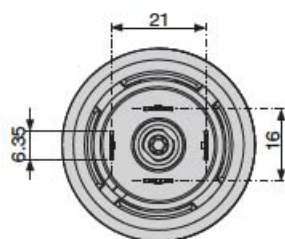
Kit di connessione DEUTSCH 4 VIE
Connection kit 4 PINS DEUTSCH
27.0907.5000

23.0203.0000

23.0203.0500



Con cappuccio
With cap



• Interruttori a pulsante per comando presa di forza (P.T.O.)

Comandi per presa di forza (P.T.O) con pulsante di sicurezza per impedire l'inserimento accidentale e sgancio rapido di emergenza premendo la manopola. Le versioni con contatti d'ottone argentato possono pilotare fino a 3 Amp induttivi @12V e 1,5 Amp induttivi @24V; le versioni con contatti d'ottone dorato 10 mA @ 12/24V.

SPECIFICHE

Carico elettrico:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Contatti ottone argentato

10 mA @ 12/24V

Contatti ottone dorato

Durata elettrica:

150.000 cicli a pieno carico

Materiale dei contatti:

Ottone argentato o dorato

Grado di protezione:

Lato manopola IP64

Lato basetta IP43

Temperatura di esercizio:

- 40°C a +85°C (- 40°F a +185°F)

Sistema di montaggio:

Su pannello con dado di nylon

• P.T.O. Push-pull switches

P.T.O. switches with safety push button as restart inhibitor

and emergency quick self-reset pressing the knob.

Switches with silver-plated contacts accept loads up to 3 Amp inductive @12V and 1,5 Amp inductive @24V, switches with gold-plated contacts 10 mA @ 12/24V.

SPECIFICATIONS:

Electrical load:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Silver-plated brass contacts

10 mA @ 12/24V

Gold-plated brass contacts

Electrical life:

150,000 cycles at full load

Contacts material:

Silver or gold-plated brass

Sealing:

Top end IP64

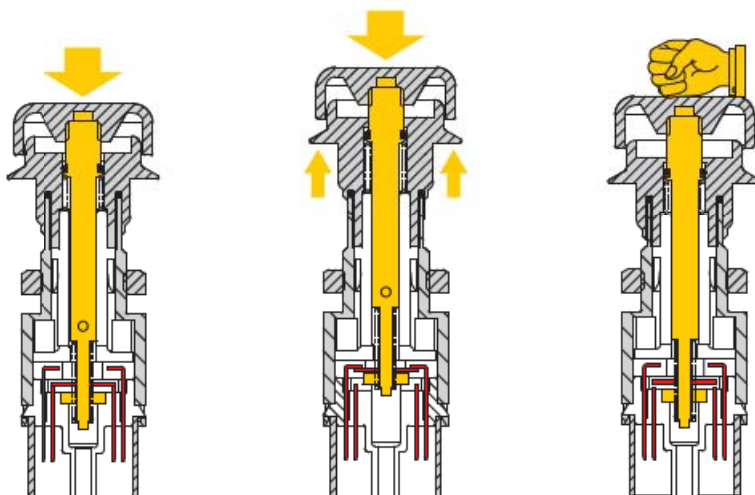
Bottom end IP43

Operating temperature range:

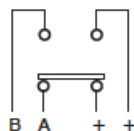
- 40°C to +85°C (- 40°F to +185°F)

Assembly:

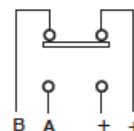
On the panel by nylon nut



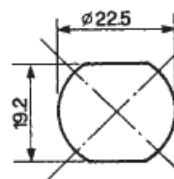
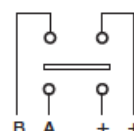
INSTABILE
MOMENTARY



STABILE
MAINTAINED



OFF



23.138.000

23.0161.0000

23.0167.0000

23.0180.0000



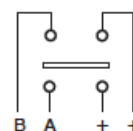
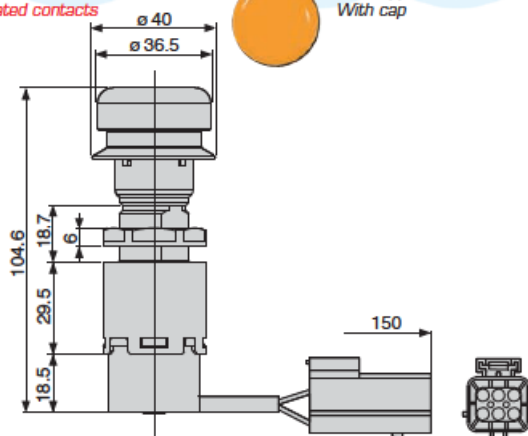
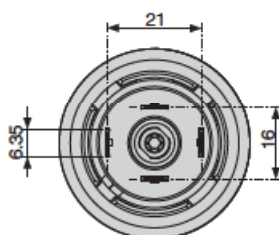
Contatti dorati
Gold-plated contacts



Con cappuccio
With cap



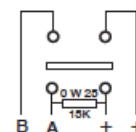
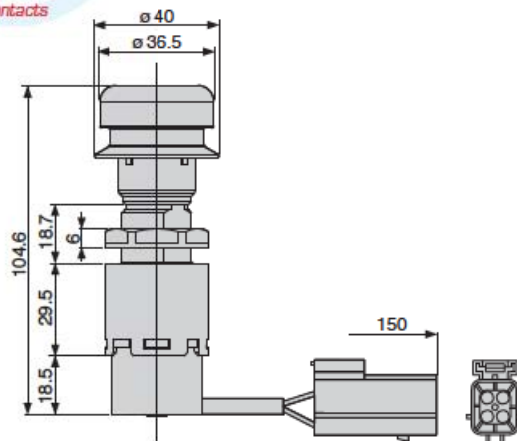
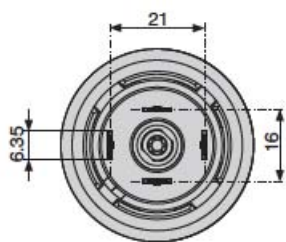
Con cappuccio
With cap



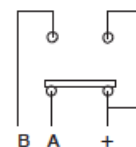
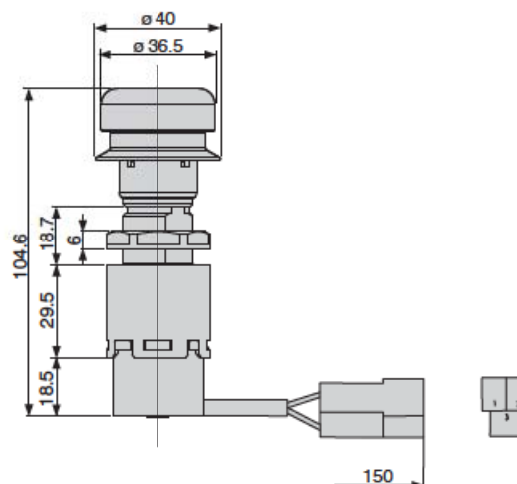
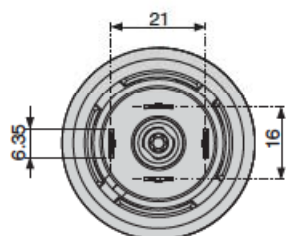
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23.0160.0000

Contatti dorati
Gold-plated contacts

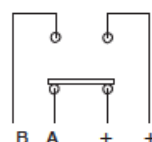
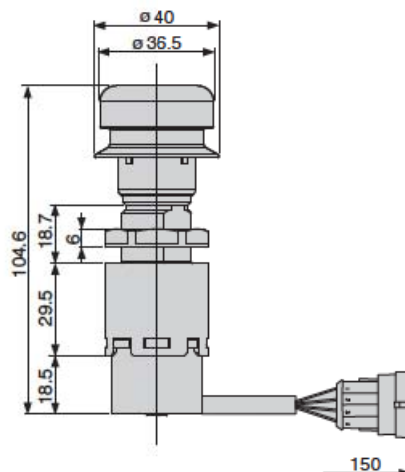
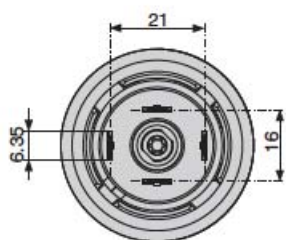


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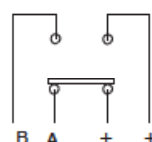
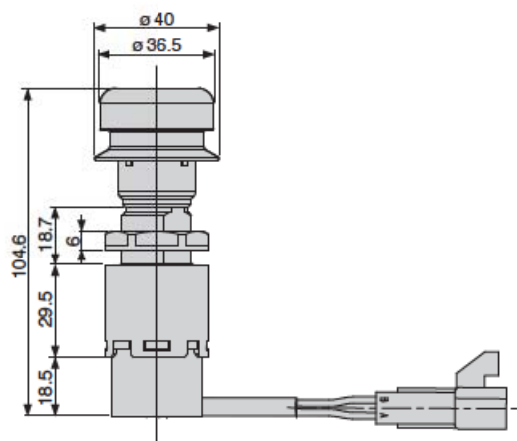
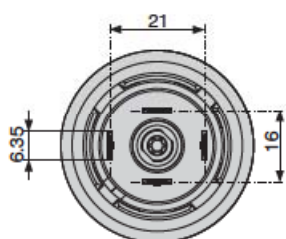
OPTIONAL:
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23.0170.0000



Kit di connessione S/SEAL 4 VIE
Connection kit 4 PINS S/SEAL
27.0906.0000

23.0174.0000



• Interruttori a pulsante per comando presa di forza (P.T.O.)

Comandi per presa di forza (P.T.O) con pulsante di sicurezza per impedire l'inserimento accidentale e sgancio rapido di emergenza premendo la manopola. Le versioni con contatti d'ottone argentato possono pilotare fino a 3 Amp induttivi @12V e 1,5 Amp induttivi @24V; le versioni con contatti d'ottone dorato 10 mA @ 12/24V.

SPECIFICHE

Carico elettrico:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Contatti ottone argentato

10 mA @ 12/24V

Contatti ottone dorato

Durata elettrica:

150.000 cicli a pieno carico

Materiale dei contatti:

Ottone argentato o dorato

Grado di protezione:

Lato manopola IP64

Lato basetta IP43

Temperatura di funzionamento:

- 40°C a +85°C [- 40°F a +185°F]

Sistema di montaggio:

Su pannello con dado di nylon

• P.T.O. Push-pull switches

P.T.O. switches with safety push button as restart inhibitor and emergency quick self-reset pressing the knob. Switches with silver-plated contacts accept loads up to 3 Amp inductive @12V and 1,5 Amp inductive @24V, switches with gold-plated contacts 10 mA @ 12/24V.

SPECIFICATIONS:

Electrical load:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Silver-plated brass contacts

10 mA @ 12/24V

Gold-plated brass contacts

Electrical life:

150,000 cycles at full load

Contacts material:

Silver or gold-plated brass

Sealing:

Top end IP64

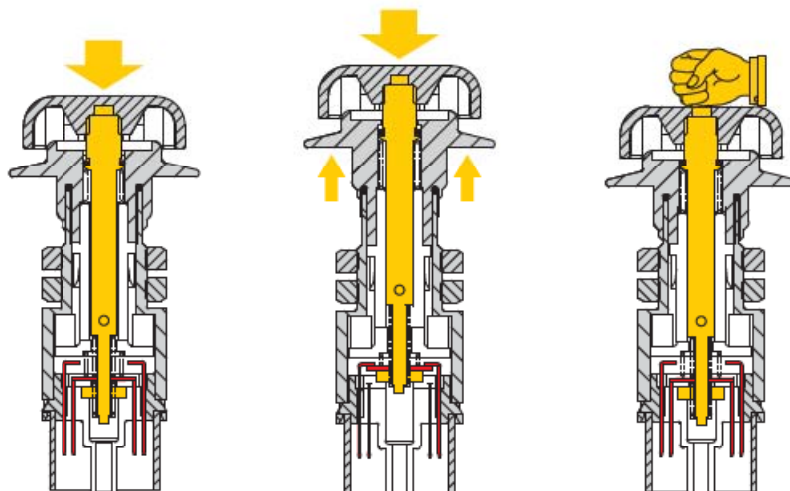
Bottom end IP43

Operating temperature:

- 40°C to +85°C [- 40°F to +185°F]

Assembly:

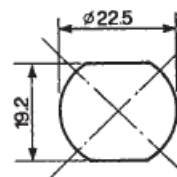
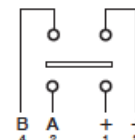
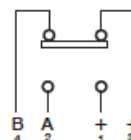
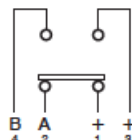
On the panel by nylon nut



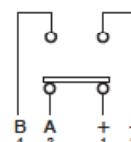
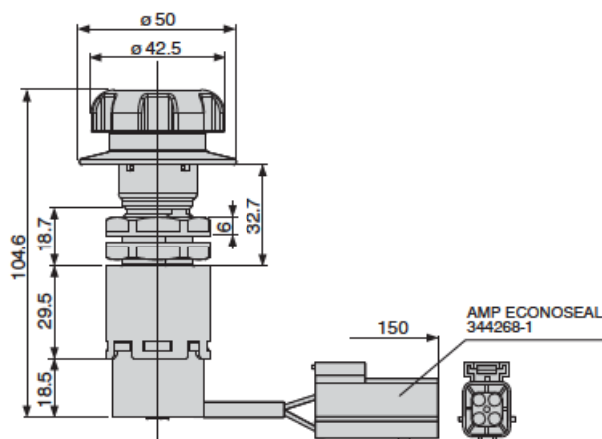
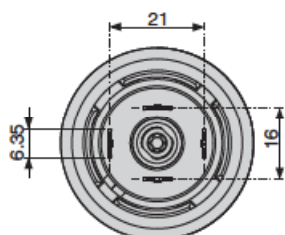
INSTABLE
MOMENTARY

STABILE
MAINTAINED

OFF



23.148.000



• Interruttori a pulsante per comando presa di forza (P.T.O.)

Comandi per presa di forza (P.T.O.) con pulsante di sicurezza per impedire l'inserimento accidentale e sgancio rapido di emergenza premendo la manopola. Le versioni con contatti d'ottone argentato possono pilotare fino a 3 Amp induttivi @12V e 1,5 Amp induttivi @24V; le versioni con contatti d'ottone dorato 10 mA @ 12/24V.

SPECIFICHE

Carico elettrico:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Contatti ottone argentato

10 mA @ 12/24V

Contatti ottone dorato

Durata elettrica:

150.000 cicli a pieno carico

Materiale dei contatti:

Ottone argentato o dorato

Grado di protezione:

Lato manopola IP64

Lato basetta IP43

Temperatura di funzionamento:

- 40°C a +85°C (- 40°F a +185°F)

Sistema di montaggio:

Su pannello con dado di nylon

• P.T.O. Push-pull switches

P.T.O. switches with safety push button as restart inhibitor and emergency quick self-reset pressing the knob. Switches with silver-plated contacts accept loads up to 3 Amp inductive @12V and 1,5 Amp inductive @24V, switches with gold-plated contacts 10 mA @ 12/24V.

SPECIFICATIONS:

Electrical load:

3 amp ind. @ 12V - 1,5 Amp ind. @ 24V

Silver-plated brass contacts

10 mA @ 12/24V

Gold-plated brass contacts

Electrical life:

150,000 cycles at full load

Contacts material:

Silver or gold-plated brass

Sealing:

Top end IP64

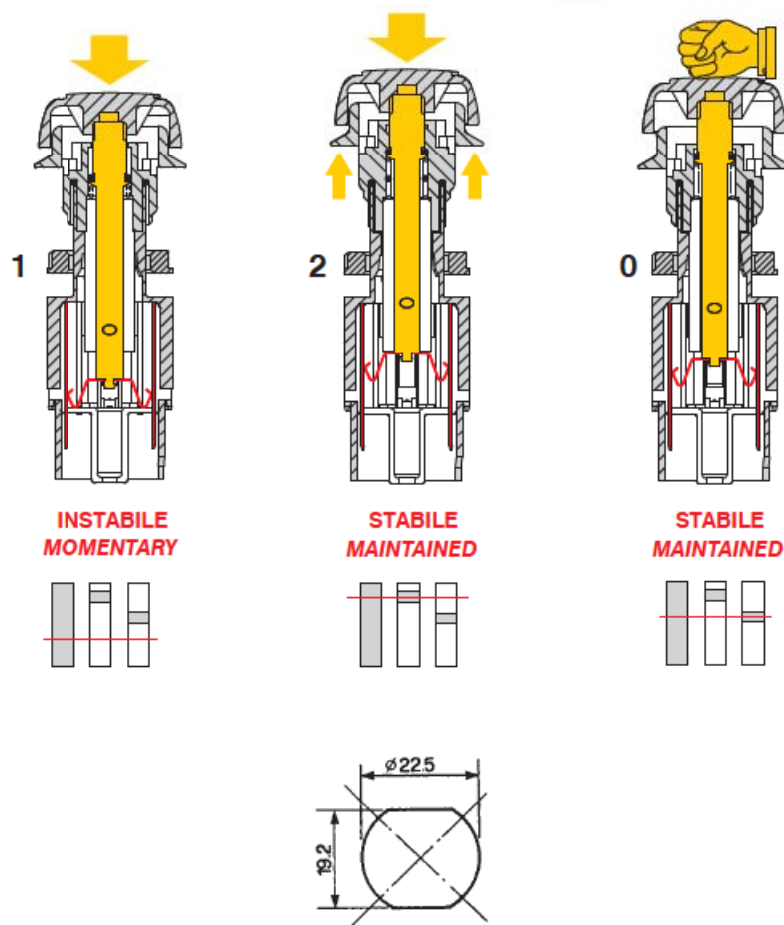
Bottom end IP43

Operating temperature:

- 40°C to +85°C (- 40°F to +185°F)

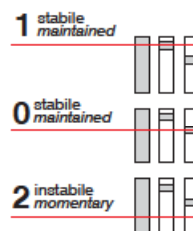
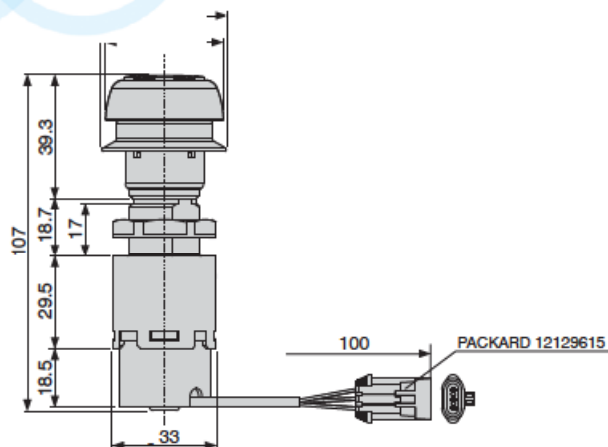
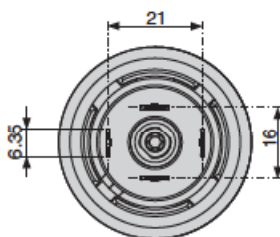
Assembly:

On the panel by nylon nut

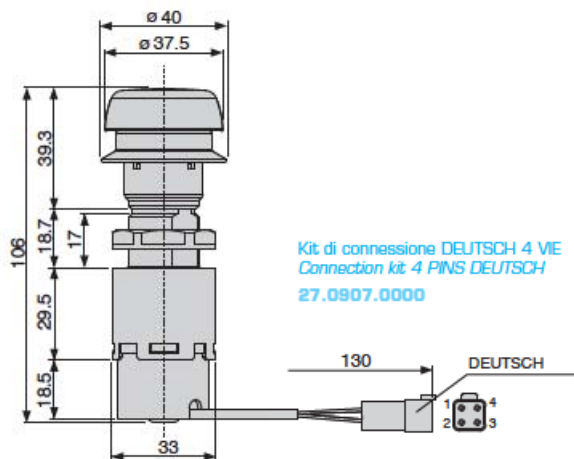
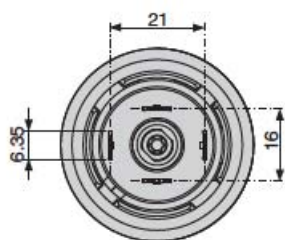


23.139.000

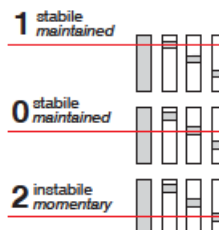
23.0198.0000



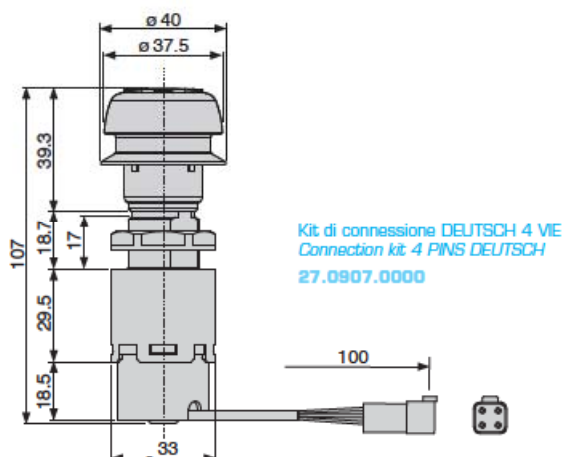
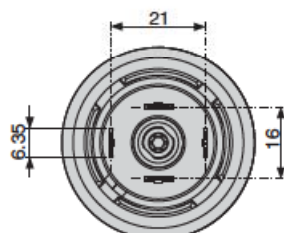
23.142.000



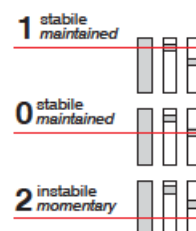
Kit di connessione DEUTSCH 4 VIE
Connection kit: 4 PINS DEUTSCH
27.0907.0000



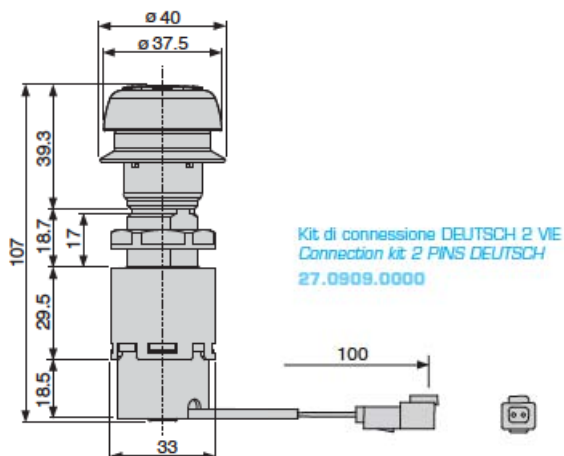
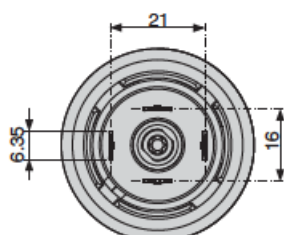
23.0171.0000



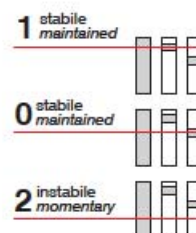
Kit di connessione DEUTSCH 4 VIE
Connection kit: 4 PINS DEUTSCH
27.0907.0000



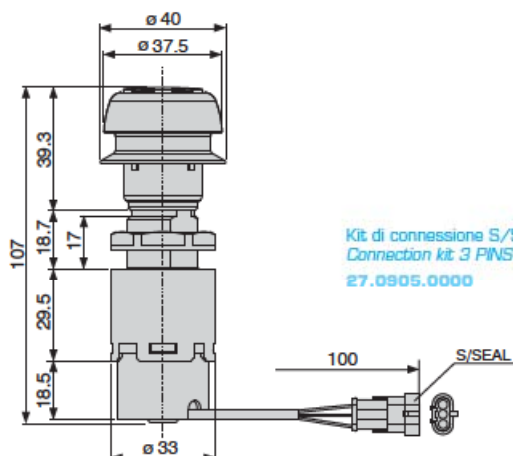
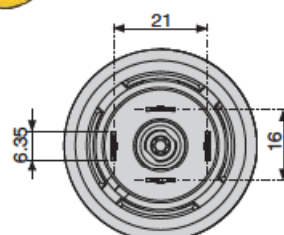
23.0183.0000



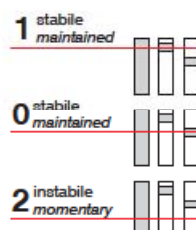
Kit di connessione DEUTSCH 2 VIE
Connection kit: 2 PINS DEUTSCH
27.0909.0000

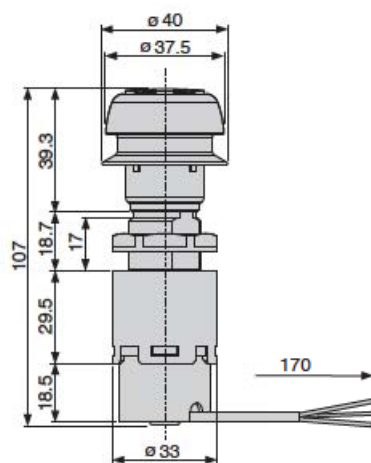
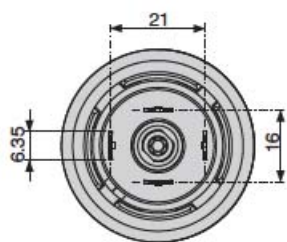


23.0204.0000



Kit di connessione S/SEAL 3 VIE
Connection kit: 3 PINS S/SEAL
27.0905.0000





2 stabile <i>maintained</i>			
0 stabile <i>maintained</i>			
1 instabile <i>momentary</i>			

- Accessori
- Accessories



14.100.050



14.109.108

doppia / double 14.112.300



14.126.200

doppia / double 14.126.300



14.121.400

doppia / double 14.121.500



14.121.600



14.121.700



14.188.213

doppia / double 14.188.300



14.193.213

doppia / double 14.193.300



14.191.213

doppia / double 14.191.300



14.300.213

doppia / double 14.300.300
#1,8 mm - 14603 KEY COD



14.309.213

doppia / double 14.309.300
#1,8 mm - 14603 KEY COD



14.308.300

#1,8 mm - 14603 KEY COD

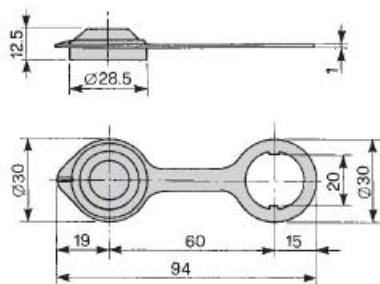
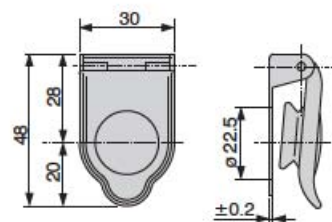
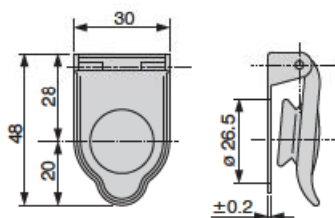
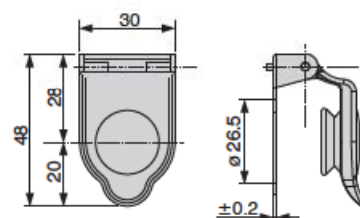


14.0300.0020doppia / double 14.300.0050
#1,8 mm - 14603 KEY COD**14.0300.0120**doppia / double 14.300.0150
#1,8 mm - 14603 KEY COD**14.0328.0020**

#2,2 mm - 45 KEY COD variabili

**14.0360.0025**

#2,2 mm - 45 KEY COD variabili

**14.0431.0211**cilindretto con chiave / key barrel
#3 mm**14.109.001**Cappuccio per interruttore avviamento
Cap for ignition switch**14.109.005**Coperchio snodato per commutatori avviamento
foratura 22,5 mm.
Articulated cover for ignition switches
fixing hole 22,5 mm.**14.156.500**Coperchio snodato per commutatori
avviamento foratura 26,5 mm.
Articulated cover for ignition switches
fixing hole 26,5 mm**14.0322.0500**Coperchio snodato per commutatori
avviamento foratura 26,5 mm.
Articulated cover for ignition switches
fixing hole 26,5 mm

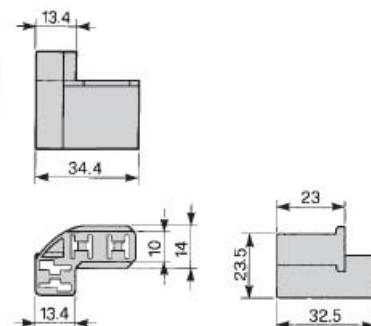
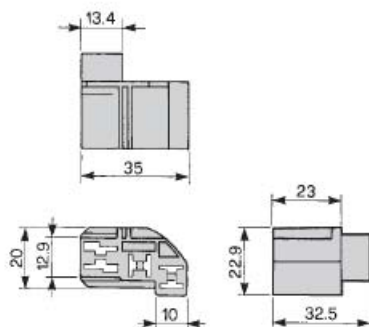
14.156.004

Connettore per capocorda femmina 6,35 mm.
con linguetta
Connector for female terminal 6,35 mm. with tab

14.156.005

Connettore per capocorda femmina 9,5 mm.
con linguetta
Connector for female terminal 9,5 mm. with tab

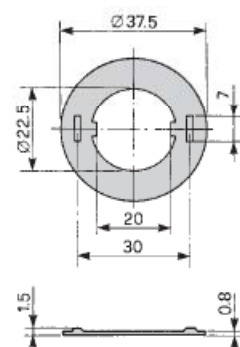
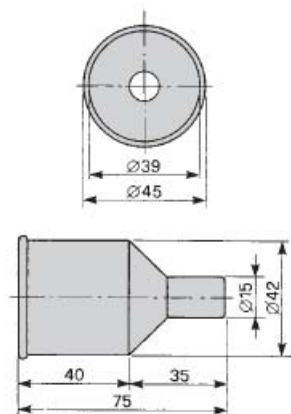
4 vie
4 pins

**23.100.004**

Cappuccio di protezione posteriore
Rear protection cap

30.03.04051

Adattatore per commutatori avviamento
foratura 26,5 mm.
Adapter for ignition switches
fixing hole 26,5 mm.

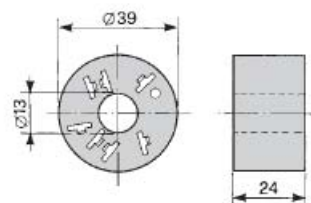
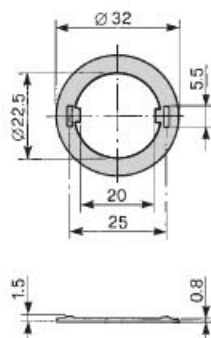
**30.03.03835**

Adattatore per commutatori avviamento
foratura 22,5 mm.
Adapter for ignition switches
fixing hole 22,5 mm.

30.16.04275

7 vie
7 pins

Connettore per capocorda femmina 6,35 mm.
con linguetta
Connector for female terminal 6,35 mm. with tab

**30.16.06571**

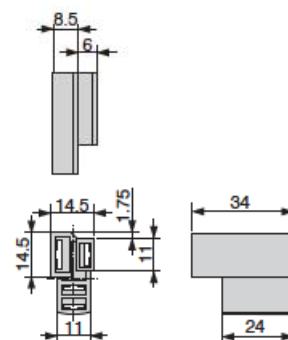
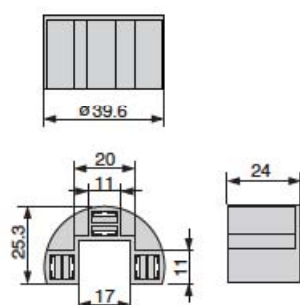
3 vie
3 pins

Connettore per capocorda femmina 6,35 mm.
con linguetta
Connector for female terminal 6,35 mm. with tab

30.16.06570

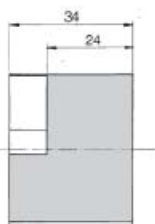
4 vie
4 pins

Connettore per capocorda femmina 9,5 mm.
con linguetta
Connector for female terminal 9,5 mm. with tab



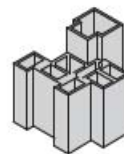
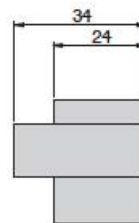
Connettore per capocorda femmina 9,5 mm.
Connector for female terminal 9,5 mm.

5 vie
5 pins



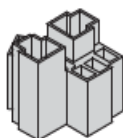
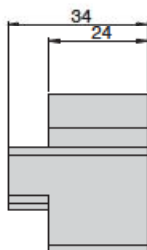
Connettore per capocorda femmina 9,5 mm.
Connector for female terminal 9.5 mm.

7 vie
7 pins

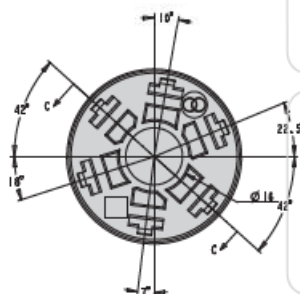
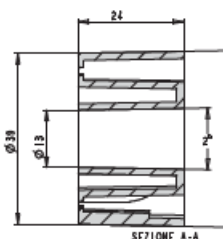


Connettore per capocorda femmina 9,5 mm.
con linguetta
Connector for female terminal 9,5 mm. with tab

7 vie
7 pins



Connettore per capocorda femmina 9,5 mm.
con linguetta
Connector for female terminal 9,5 mm. with tab

6 vie
6 pins

Kit di connessione S/SEAL 3 VIE
Connection kit 3 PINS S/SEAL

3 vie
3 pins

Kit di connessione S/SEAL 4 VIE
Connection kit 4 PINS S/SEAL



Kit di connessione **DEUTSCH 2 VIE**
Connection kit **2 PINS DEUTSCH**



Kit di connessione **DEUTSCH 4 VIE**
Connection kit **4 PINS DEUTSCH**



Connettore per capocorda femmina serie 6,35 mm.
con linguetta
Connector for female terminal 6,35 mm. series
with tab



Terminali innesto lamellare femmina
(con dentino antisfilamento)
Female blade terminals (with locking notch)

