



# MULTIFUNCTIONAL ARMREST SYSTEMS

## HMI DEVICES



Linea Meccanica | Mechanical Line  
Linea Elettromeccanica | Electromechanical Line



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# AS4.0

ARMREST SYSTEM

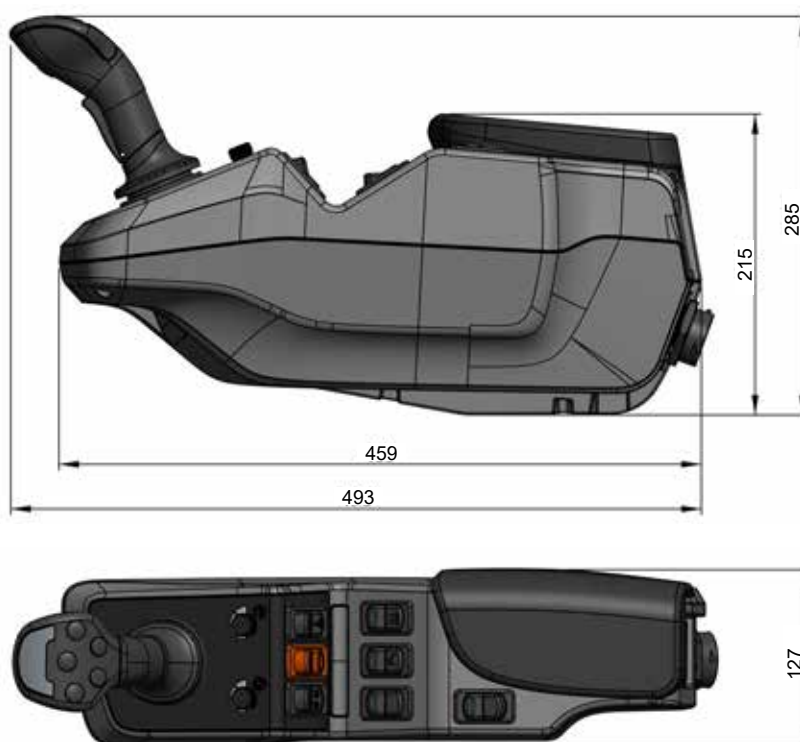


# AS4.0 ARMREST SYSTEM

## CUSTOMIZABLE ACCORDING TO CUSTOMER NEEDS

- Pensato per essere facilmente integrato in una vasta gamma di applicazioni su molti tipi di veicoli di piccole e medie dimensioni
- Lo stampaggio ad iniezione garantisce un'estetica superiore ed il perfetto accoppiamento delle parti.
- Disponibile in diverse colorazioni.
- Flessibilità di installazione per ogni tipo di dispositivo di comando.
- Cuscino per avambraccio ribaltabile con vano portaoggetti. Il vano portaoggetti può ospitare moduli operatore aggiuntivi
- Possibilità di integrazione di: Joystick, fingertips, potenziometri rotativi, tastierini, navigazione TPR, basculanti, spie di segnalazione e altri elementi
- Pannello in alluminio personalizzabile con pellicola serigrafata con simboli e colori a scelta del cliente.
- Supporto inclinabile e regolabile opzionale.
- *Specifically designed for easy integration in many low and medium sized vehicles.*
- *Injection molded plastics give a superior aesthetic of the perfect coupling of the parts.*
- *Available in different colors.*
- *Installation flexibility for any type of control devices.*
- *Tipper forearm cushion with storage compartment. Storage compartment may host additional HMI modules*
- *Possibility of integration of: Joystick, fingertips, rotary potentiometers, keypads, TPR devices, rocker switches, warning lights and others.*
- *Aluminum panel with serigraphed foil with customized symbols and colors.*
- *A tilting and adjustable support is available as an option.*

### Dimensioni / Dimensions



# AS4.0 ARMREST SYSTEM

## HMI components



# AS4.0 ARMREST SYSTEM

## Left Armrest



SWEeper

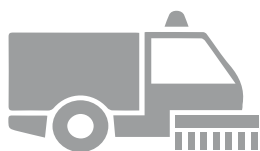
## Application example

- 01. Can-Bus keypad (4 or 6 push buttons)
- 02. Front work lights
- 03. Rear work lights
- 04. Beacon
- 05. Rear fog light
- 06. Cabin lighting
- 07. Hazard
- 08. USB charger



# AS4.0 ARMREST SYSTEM

## Right Armrest



SWEeper

## Application example

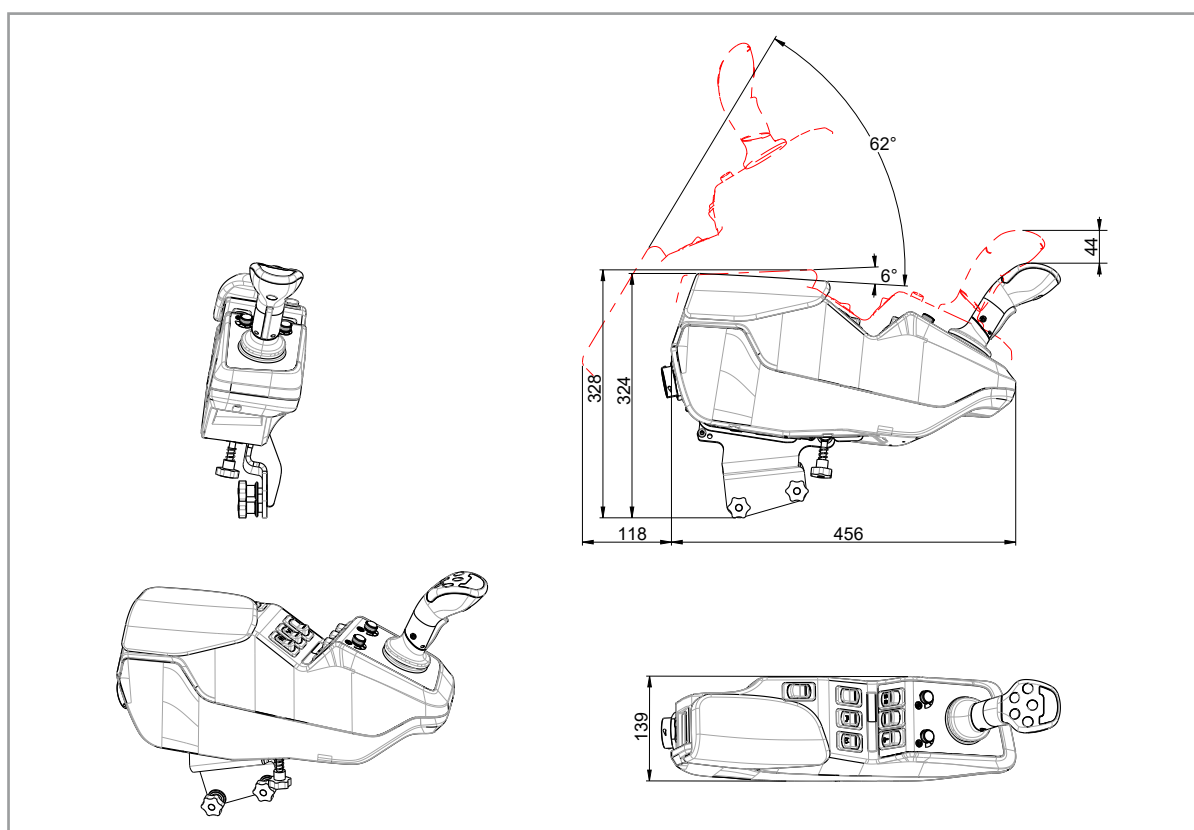
- 01. Main joystick
- 02. Front brush adjustment
- 03. Lateral brush adjustment
- 04. Front brush switch
- 05. Lateral brush side LH
- 06. Lateral brush side RH
- 07. Water jet
- 08. Aspiration pipe
- 09. Main brush
- 10. Optional brush
- 11. USB data interface



# AS4.0 ARMREST SYSTEM

Supports for LH and RH sides

| P/N     | Pkg<br>Q.ty | Descrizione<br>Description |
|---------|-------------|----------------------------|
| 1100030 | 1           | Support<br>LH              |
| 1100029 | 1           | Support<br>RH              |



# AS 6.0

ARMREST SYSTEM



# AS 6.0 ARMREST SYSTEM

## CUSTOMIZABLE ACCORDING TO CUSTOMER NEEDS

- Design nato dall'esperienza Cobo.
- Sviluppato per essere facilmente integrato in una vasta gamma di veicoli di medie e grandi dimensioni.
- Ampia configurabilità: customizzazione Layout componenti HMI.
- Varie tipologie di joystick applicabili.
- Acceleratore manuale e comandi sollevatore posteriore con sensori hall effect ridondati.
- Lo stampaggio ad iniezione garantisce un'estetica superiore ed il perfetto accoppiamento delle parti.
- Disponibile in diverse colorazioni.
- Flessibilità di installazione per ogni tipo di dispositivo di comando.
- Cuscino per avanbraccio ribaltabile con vano portaoggetti.
- Il vano portaoggetti può ospitare moduli operatore aggiuntivi.
- Il cuscino scorrevole permette l'accesso ad altri comandi.
- Supporto da interporre fra sedile e bracciolo con doppia regolazione verticale e longitudinale (opzionale).
- Supporto display per versioni 7, 10 e 12 pollici (opzionale).
- Connessione CAN BUS come standard, analogico-digitale su richiesta.
- *Design born from Cobo's experience.*
- *Developed to be easily integrated into a wide range of medium and large vehicle applications.*
- *Highly customisable: flexible layout of HMI controls.*
- *Various types of joystick applicable.*
- *Handthrottle and hitchwheels controls with redundant hall effect sensors.*
- *Injection molded plastics give a superior aesthetic of the perfect coupling of the parts.*
- *Available in different colors.*
- *Installation flexibility for any type of control devices.*
- *Tipper forearm cushion with storage compartment.*
- *Storage compartment may host additional HMI modules.*
- *Slidable cushion allows access to others controls*
- *Support to be interposed between armrest and seat with vertical and longitudinal adjustment (optional).*
- *Display bracket for 7, 10 and 12 inches version (optional).*
- *CAN BUS connection as a standard, analog-digital on request*



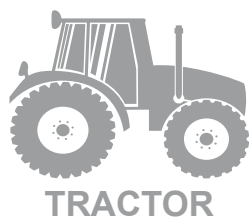
Read QR Code  
for video

# AS 6.0 ARMREST SYSTEM

## HMI components



# AS 6.0 ARMREST SYSTEM



## Application example

- 01. Main joystick
- 02. Secondary joystick
- 03. Hand throttle
- 04. Rear linkage up
- 05. Auto steering
- 06. Auto differential lock
- 07. Rear linkage down
- 08. Mechanical gear
- 09. Manual differential lock
- 10. TPR
- 11. Rear linkage height adjustable
- 12. Rear linkage depth adjustable
- 13. Rpm +
- 14. Rpm memory
- 15. Rpm -
- 16. Rpm set
- 17. Hydraulic function 1
- 18. Hydraulic function 2
- 19. Hydraulic function 3
- 20. Hydraulic function 4
- 21. PTO
- 22. Front work lights
- 23. Rear work lights
- 24. Beacon
- 25. Seat heating
- 26. Rearview mirror heating
- 27. Parking brake
- 28. USB charger
- 29. USB Data socket

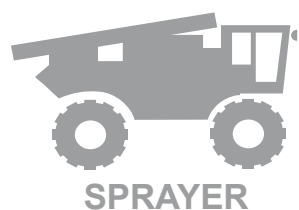
# AS 6.0 ARMREST SYSTEM



## Application example

- 01. Main joystick
- 02. Emergency engine stop
- 03. Hand throttle
- 04. Hand throttle mode
- 05. Automatic gear
- 06. Hydraulic functions unlock
- 07. Floating bucket
- 08. Ride control
- 09. Eco mode
- 10. Differential lock
- 11. Fan drive
- 12. Loader mode
- 13. Mixing bucket
- 14. Front work lights
- 15. Rear work lights
- 16. Beacon
- 17. Seat heating
- 18. Rearview mirror heating
- 19. DPF
- 20. Parking brake
- 21. USB charger
- 22. USB Data socket

# AS 6.0 ARMREST SYSTEM



## Application example

- 01. Main joystick
- 02. TPR
- 03. Hand throttle
- 04. Fast gear
- 05. Auto steering
- 06. Water pump
- 07. Rpm set
- 08. Slow motion mode
- 09. Front steering
- 10. Concentric steering
- 11. Crab steering
- 12. Eco mode
- 13. Air sleeve
- 14. Air sleeve adjustment
- 15. Slow motion adjustment
- 16. Cabin interior light
- 17. Rotary beacon
- 18. Front work lights
- 19. Rear work lights
- 20. Track adjustment
- 21. Ladder up-down
- 22. Battery main switch
- 23. DPF
- 24. Parking brake
- 25. USB charger
- 26. USB Data socket

# AS 6.0 ARMREST SYSTEM

## Dimensioni a cuscino chiuso / *Dimesions closed cushion*



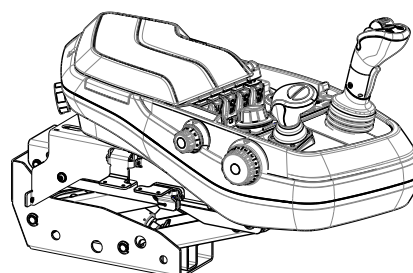
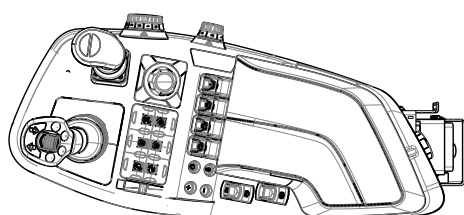
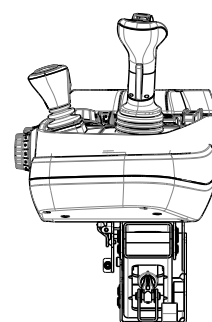
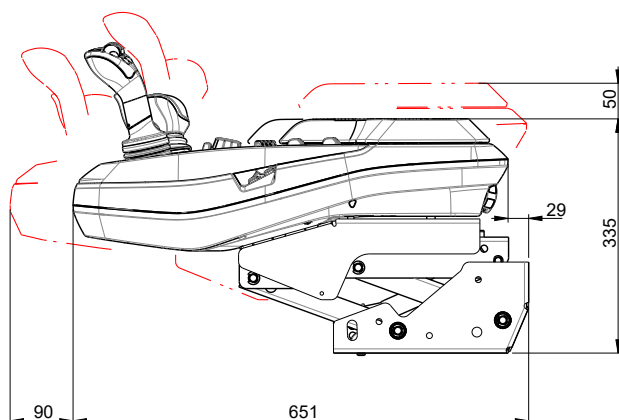
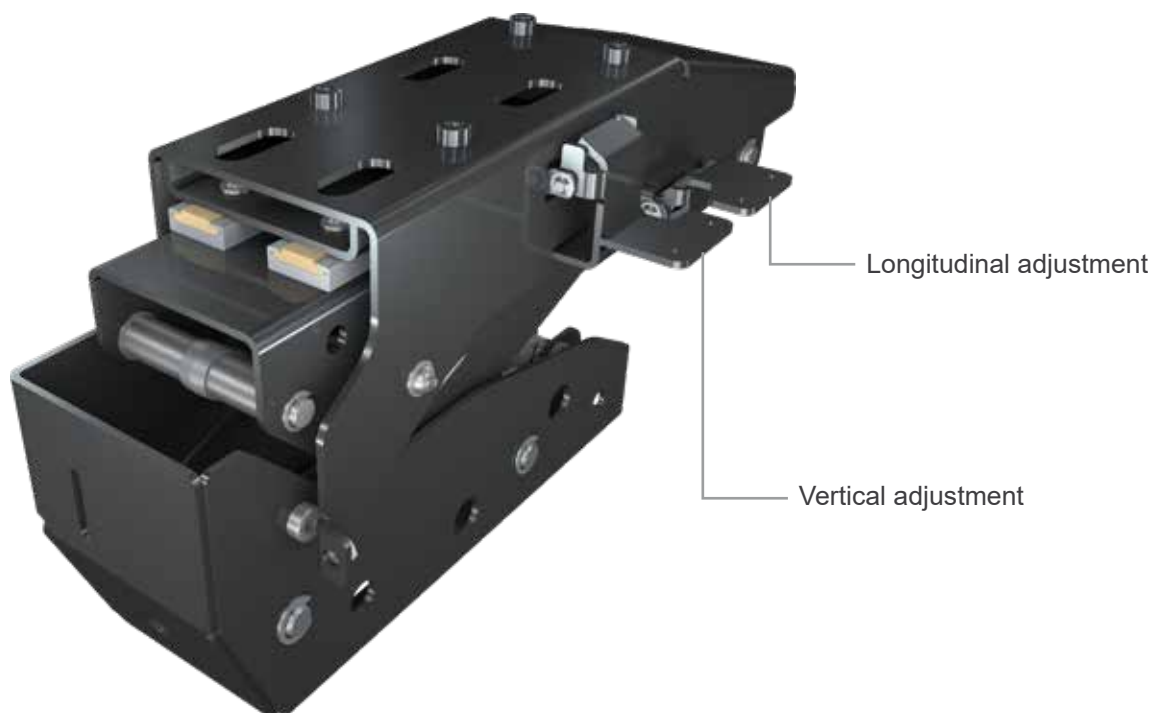
## Dimensioni a cuscino aperto / *Dimesions open cushion*



# AS 6.0 ARMREST SYSTEM

## Support

| P/N     | Pkg<br>Q.ty |
|---------|-------------|
| 1100020 | 1           |



# AS8.0

ARMREST SYSTEM

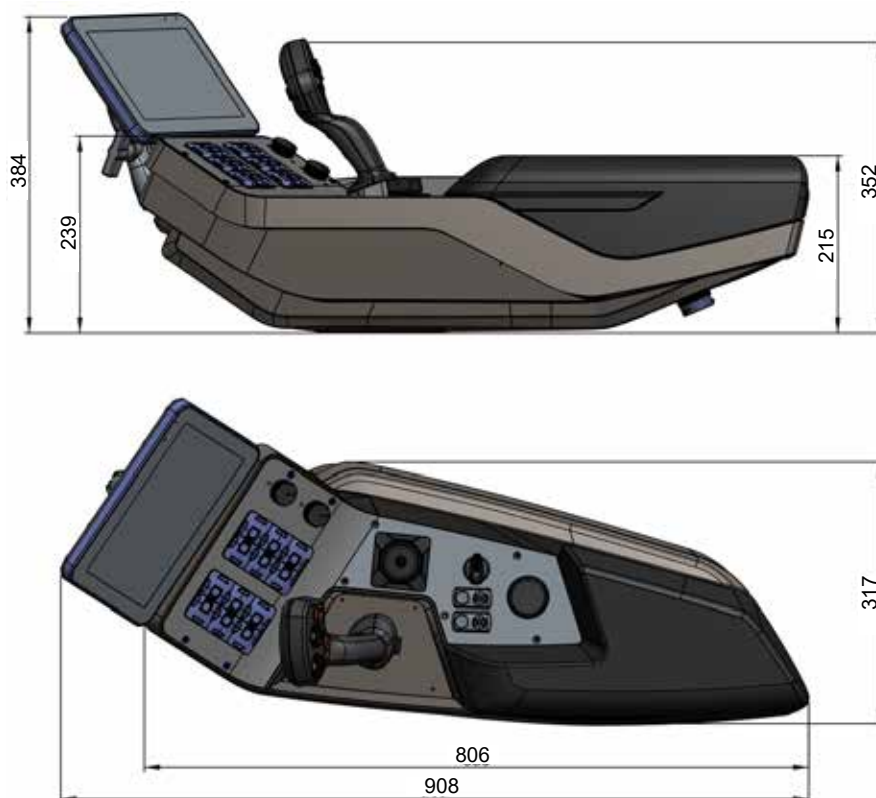


# AS 8.0 ARMREST SYSTEM

## CUSTOMIZABLE ACCORDING TO CUSTOMER NEEDS

- Pensato per essere facilmente integrato in una vasta gamma di applicazioni su veicoli di grandi dimensioni e complessità.
- Lo stampaggio ad iniezione garantisce un'estetica superiore ed il perfetto accoppiamento delle parti
- Disponibile in diverse colorazioni
- Flessibilità di installazione per ogni tipo di dispositivo di comando
- Cuscino per avambraccio ribaltabile con vano portaoggetti.
- Possibilità di integrazione di: Joystick, fingertips, potenziometri rotativi, tastierini, navigazione TPR, basculanti, spie di segnalazione e altri elementi.
- Pannello in alluminio con pellicola serigrafata con simboli e colori a scelta del cliente
- Supporto inclinabile e regolabile opzionale.
- *Specifically designed for easy integration in many large sized vehicles and high complexity.*
- *Injection molded plastics give a superior aesthetic of the perfect coupling of the parts.*
- *Available in different colors.*
- *Installation flexibility for any type of control devices.*
- *Tipper forearm cushion with storage compartment.*
- *Possibility of integration of: Joystick, fingertips, rotary potentiometers, keypads, TPR devices, rocker switches, warning lights and others.*
- *Aluminum panel with serigraphed foil with customized symbols and colors.*
- *A tilting and adjustable support is available as an option.*

### Dimensioni / Dimensions



# AS 8.0 ARMREST SYSTEM

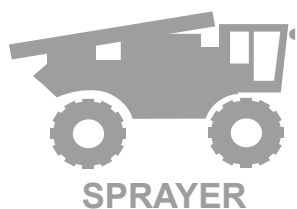
## HMI components



# AS 8.0

## ARMREST SYSTEM

with DISPLAY TERA10 HE



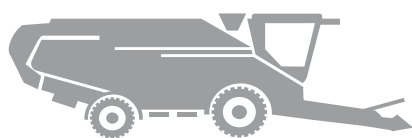
## Application example

- 01. Display TERA10 HE
- 02. Keypad (4 or 6 push buttons)
- 03. Keypad (4 or 6 push buttons)
- 04. Slow motion adjustment
- 05. Air flux adjustment
- 06. Joystick
- 07. TPR
- 08. Steering mode
- 09. Beacon
- 10. Hand throttle



# AS 8.0 ARMREST SYSTEM

with DISPLAY TERA7 HE



TOMATO HARVESTER

## Application example

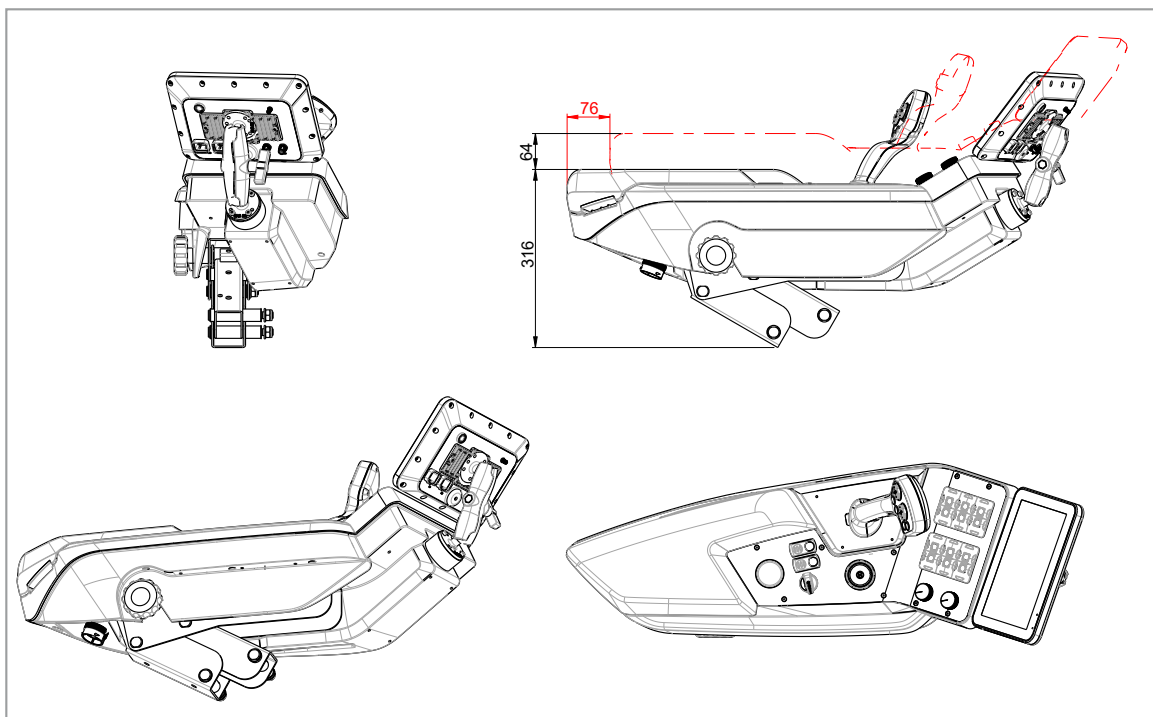
- 01. Display TERA7 HE
- 02. Push buttons
- 03. Keypad (4 or 6 push buttons)
- 04. Keypad (4 or 6 push buttons)
- 05. Emergency
- 06. Joystick
- 07. TPR
- 08. Steering mode
- 09. Hand throttle
- 10. Memory push button



# AS 8.0 ARMREST SYSTEM

## Support

| P/N     | Pkg<br>Q.ty |
|---------|-------------|
| 1096140 | 1           |



|                             |                                                                                                                                |                                                                                                                                       |                                                                                                                                       |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|                             |  <p><b>AS4.0</b><br/>ARMREST SYSTEM</p>       |  <p><b>AS6.0</b><br/>ARMREST SYSTEM</p>             |  <p><b>AS8.0</b><br/>ARMREST SYSTEM</p>            |
| DESCRIPTION                 | Multifunctional Armrest System                                                                                                 | Multifunctional Armrest System                                                                                                        | Multifunctional Armrest System                                                                                                        |
| APPLICATION SIDE            | LH / RH                                                                                                                        | RH                                                                                                                                    | RH                                                                                                                                    |
| SIZE                        | 459 x 127 mm                                                                                                                   | 654 x 258 mm                                                                                                                          | 821 x 293 mm                                                                                                                          |
| APPLICATION MARKET          | AGRICULTURAL<br>CONSTRUCTION<br>INDUSTRIAL<br>LIFTING / HANDLING                                                               | AGRICULTURAL<br>CONSTRUCTION<br>INDUSTRIAL                                                                                            | AGRICULTURAL                                                                                                                          |
| COBO SEAT COMBINATION       | ICS<br>MAXI<br>SC74 - SC76 - SC79 - SC84<br>SC85 - SC95<br>SC250 - SC270<br>SR840 - SR845                                      | ICS<br>MAXI<br>SC95<br>SC250 - SC270                                                                                                  | ICS<br>MAXI<br>SC95<br>SC250 - SC270                                                                                                  |
| COBO SUSPENSION COMBINATION | M97 (Pneumatic Small)<br>M98 (Pneumatic Large)<br>M99 (Mechanical Lower)<br>M200 (Mechanical Small)<br>M293 (Mechanical Large) | M98 (Pneumatic Large)                                                                                                                 | M98 (Pneumatic Large)                                                                                                                 |
| INSTALLABLE COMPONENTS      | Joystick (electric ONLY)<br>Keypad<br>Switches<br>Emergency<br>Potentiometer<br>USB Charger                                    | Joysticks (electric ONLY)<br>Keypad<br>Tpr<br>Switches<br>Emergency<br>Hand throttle<br>HE redundant knobs<br>USB Charger<br>USB Data | Joysticks (electric ONLY)<br>Keypad<br>Tpr<br>Switches<br>Emergency<br>Hand throttle<br>HE redundant knobs<br>USB Charger<br>USB Data |



# FINGERTIPS



# FINGERTIPS

## ANALOG LINEAR CONTROLLERS

- Design compatto per una facile installazione in plancia
- Possibilità di installazione in batteria in spazi ridotti
- Miglior ergonomia grazie alla geometria dell'attuatore
- Testato per 5 milioni di cicli
- Tecnologia sensori Hall-effect
- Opzione per uscite ridondate di sicurezza
- Cover colorate intercambiabili
- Simboli retroilluminati

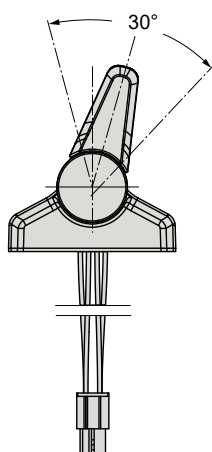
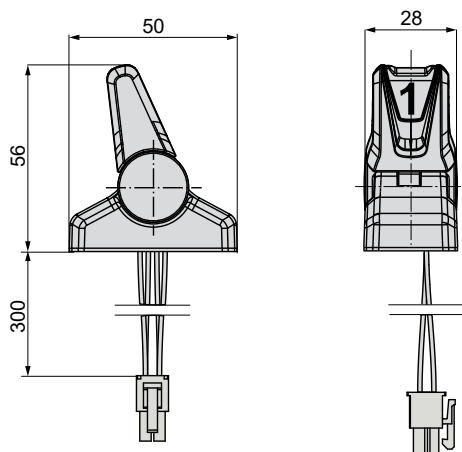
- *Compact design for easy in-dash installation*
- *Side by side installation in narrow spaces*
- *Better ergonomoy due to particular actuator geometry*
- *Rated for 5 million cycles*
- *Hall-effect sensors technology*
- *Option redundant outputs for safety*
- *Interchangeable colored covers*
- *Backlit symbols*

### SPECIFICHE TECNICHE

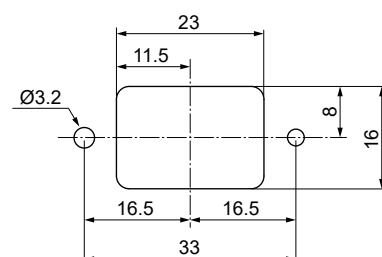
#### Technical specifications

- Alimentazione: 5V DC
- Assorbimento di corrente: 20mA
- Connettore: MOLEX MINI-FIT 4 e 6 vie
- Tipo di uscite disponibili:  
Singola uscita analogica  
Doppia uscita analogica ridondante con singola alimentazione  
Doppia uscita analogica ridondante con doppia alimentazione
- Protetto contro le inversioni di polarità
- Grado di protezione: IP69
- Simboli intercambiabili
- Retroilluminazione con Led bianco
- Temperatura di funzionamento: - 40° C ÷ + 85° C
- Compatibilità elettromagnetica (EMC): EN ISO 13766

- *Power supply: 5V DC*
- *Current consumption: 20mA*
- *Connector: MOLEX MINI-FIT 4 and 6 pins*
- *Available output types:*  
*Single analogue output*  
*Double redundant analog output with single power supply*  
*Double redundant analog output with double power supply*
- *Protected against reverse polarity*
- *Sealing degree: IP69*
- *Interchangeable symbols*
- *Backlit with white Led*
- *Operating temperature: - 40° C ÷ + 85° C*
- *Electromagnetic compatibility (EMC): EN ISO 13766*



Foratura di applicazione  
Fixing hole



Simboli retroilluminati  
*Backlit symbols*



Esempi di composizione  
*Examples of composition*



# FINGERTIPS

## ANALOG LINEAR CONTROLLERS



| P/N<br>Pkg Q.ty: 1 | Tipo leva<br>Lever type | Uscita<br>Output | Schema elettrico<br>Wiring diagram | Connettore controparte<br>Mating connector |
|--------------------|-------------------------|------------------|------------------------------------|--------------------------------------------|
|--------------------|-------------------------|------------------|------------------------------------|--------------------------------------------|

**1078788**  
42-0139-1000

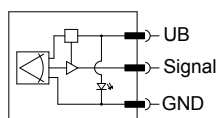
NO DETENT

**1079439**  
42-0139-2000

INCREMENTAL

Singola uscita  
analogica

Single analogue  
output



MINI-FIT 4 vie / 4 pins:  
Connettore controparte  
Mating connector  
P/N COBO **1083473** (XE0801978)  
P/N MOLEX 39-01-2041

**1079441**  
42-0139-3000

DETENT

**1082414**  
42-0139-4000

CENTRAL DETENT

### OPTIONAL KIT

Connettore controparte  
Mating connector  
P/N COBO **1083585** (27-1034-0000)

**1079443**  
42-0144-1000

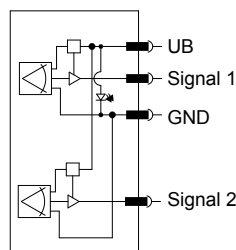
NO DETENT

**1079445**  
42-0144-2000

INCREMENTAL

Doppia uscita  
analogica semi  
ridondante

Single analogue  
output  
semi redundant



**1079447**  
42-0144-3000

DETENT

**1082416**  
42-0144-4000

CENTRAL DETENT



MINI-FIT 6 vie / 6 pins:  
Connettore controparte  
Mating connector  
P/N COBO **1083474** (XE0801979)  
P/N MOLEX 39-01-2061

**1079449**  
42-0145-1000

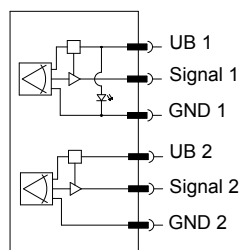
NO DETENT

**1079451**  
42-0145-2000

INCREMENTAL

Doppia uscita  
analogica  
ridondante

Dual analogue  
output  
redundant



**1079453**  
42-0145-3000

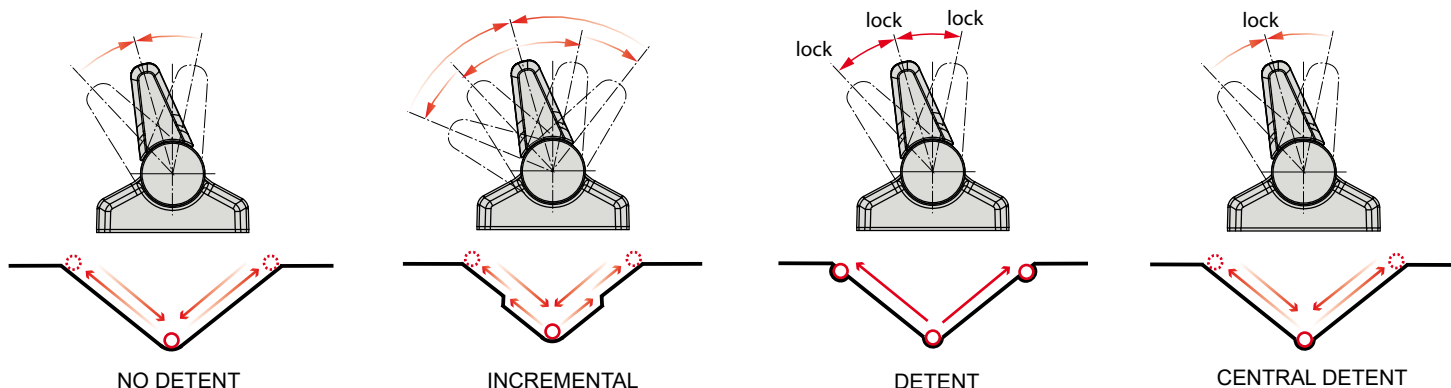
DETENT

**1082419**  
42-0145-4000

CENTRAL DETENT

### OPTIONAL KIT

Connettore controparte  
Mating connector  
P/N COBO **1083587** (27-1035-0000)



**Simboli retroilluminati - LED bianco**  
**Backlit symbols - white LED**

| P/N                                                                                                                                  | P/N                                                                                                                                   | P/N                                                                                                                                 | P/N                                                                                                                                  | P/N                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>1083700</b><br>42-0139-0020<br>Pkg Q.ty: 10   | <br><b>1083701</b><br>42-0139-0021<br>Pkg Q.ty: 10   | <br><b>1083702</b><br>42-0139-0022<br>Pkg Q.ty: 10 | <br><b>1083703</b><br>42-0139-0023<br>Pkg Q.ty: 10 | <br><b>1083704</b><br>42-0139-0024<br>Pkg Q.ty: 10 |
| <br><b>1083705</b><br>42-0139-0025<br>Pkg Q.ty: 10   | <br><b>1083706</b><br>42-0139-0026<br>Pkg Q.ty: 10   | <br><b>1083707</b><br>42-0139-0027<br>Pkg Q.ty: 10 | <br><b>1083708</b><br>42-0139-0028<br>Pkg Q.ty: 10 | <br><b>1083709</b><br>42-0139-0029<br>Pkg Q.ty: 10 |
| <br><b>1083710</b><br>42-0139-0030<br>Pkg Q.ty: 10   | <br><b>1089568</b><br>42-0139-0031<br>Pkg Q.ty: 10   | <br><b>1089569</b><br>42-0139-0032<br>Pkg Q.ty: 10 | <br><b>1093678</b><br>42-0139-0033<br>Pkg Q.ty: 10 | <br><b>1094547</b><br>42-0139-0034<br>Pkg Q.ty: 10 |
| <br><b>1097300</b><br>42-0139-0035<br>Pkg Q.ty: 10   | <br><b>1097301</b><br>42-0139-0036<br>Pkg Q.ty: 10   |                                                  |                                                                                                                                      |                                                                                                                                       |
| <br><b>1097302</b><br>42-0139-0037<br>Pkg Q.ty: 10 | <br><b>1097303</b><br>42-0139-0038<br>Pkg Q.ty: 10 |                                                                                                                                     |                                                                                                                                      |                                                                                                                                       |
| <br><b>1098727</b><br>42-0139-0039<br>Pkg Q.ty: 10 | <br><b>1098728</b><br>42-0139-0056<br>Pkg Q.ty: 10 |                                                                                                                                     |                                                                                                                                      |                                                                                                                                       |
| <br><b>1098729</b><br>42-0139-0057<br>Pkg Q.ty: 10 | <br><b>1098730</b><br>42-0139-0058<br>Pkg Q.ty: 10 |                                                                                                                                     |                                                                                                                                      |                                                                                                                                       |
| <br><b>1098731</b><br>42-0139-0059<br>Pkg Q.ty: 10 | <br><b>1098732</b><br>42-0139-0060<br>Pkg Q.ty: 10 |                                                 |                                                                                                                                      |                                                                                                                                       |

**Cover estetico colorato**  
**Aesthetic colored cover**  
**ANSI Z535**

|               | P/N                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Safety RED    | <br><b>1083711</b><br>42-0139-0040<br>Pkg Q.ty: 5 |
| Safety ORANGE | <br><b>1083712</b><br>42-0139-0044<br>Pkg Q.ty: 5 |
| Safety YELLOW | <br><b>1083713</b><br>42-0139-0045<br>Pkg Q.ty: 5 |
| Safety GREEN  | <br><b>1083714</b><br>42-0139-0046<br>Pkg Q.ty: 5 |
| Safety BLUE   | <br><b>1083715</b><br>42-0139-0047<br>Pkg Q.ty: 5 |
| Safety PURPLE | <br><b>1083716</b><br>42-0139-0048<br>Pkg Q.ty: 5 |
| Safety WHITE  | <br><b>1083717</b><br>42-0139-0049<br>Pkg Q.ty: 5 |
| Safety BLACK  | <br><b>1083718</b><br>42-0139-0050<br>Pkg Q.ty: 5 |

P/N 1083952

## Espositore cover e simboli Fingertip Fingertip symbols and covers display



### CONTENUTO ESPOSITORE DISPLAY CONTENT

#### Cover estetico colorato Aesthetic colored cover ANSI Z535

P/N

 **1083711**  
42-0139-0040  
n° 1 Pkg Q.ty: 5

 **1083712**  
42-0139-0044  
n° 1 Pkg Q.ty: 5

 **1083713**  
42-0139-0045  
n° 1 Pkg Q.ty: 5

 **1083714**  
42-0139-0046  
n° 1 Pkg Q.ty: 5

 **1083715**  
42-0139-0047  
n° 1 Pkg Q.ty: 5

 **1083716**  
42-0139-0048  
n° 1 Pkg Q.ty: 5

 **1083717**  
42-0139-0049  
n° 1 Pkg Q.ty: 5

 **1083718**  
42-0139-0050  
n° 1 Pkg Q.ty: 5

#### Simboli retroilluminati Backlit symbols

P/N

 **1083700**  
42-0139-0020  
n° 2 Pkg Q.ty: 10

 **1083701**  
42-0139-0021  
n° 1 Pkg Q.ty: 10

 **1083702**  
42-0139-0022  
n° 1 Pkg Q.ty: 10

 **1083703**  
42-0139-0023  
n° 1 Pkg Q.ty: 10

 **1083704**  
42-0139-0024  
n° 1 Pkg Q.ty: 10

 **1083705**  
42-0139-0025  
n° 1 Pkg Q.ty: 10

 **1083706**  
42-0139-0026  
n° 1 Pkg Q.ty: 10

 **1083707**  
42-0139-0027  
n° 1 Pkg Q.ty: 10

 **1083708**  
42-0139-0028  
n° 1 Pkg Q.ty: 10

 **1083709**  
42-0139-0029  
n° 1 Pkg Q.ty: 10

 **1083710**  
42-0139-0030  
n° 1 Pkg Q.ty: 10

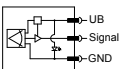
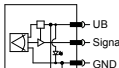
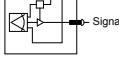
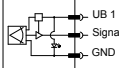
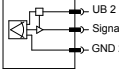


P/N 1085477

## Espositore corpo Fingertip Fingertip body display



### CONTENUTO ESPOSITORE DISPLAY CONTENT

| P/N                                                | Posizioni leva<br>Toggle position | Schema elettrico<br>Wiring diagram                                                  |
|----------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|
| <b>1078788</b><br>42-0139-1000<br>n° 2 Pkg Q.ty: 1 | NO DETENT                         |                                                                                     |
| <b>1079439</b><br>42-0139-2000<br>n° 1 Pkg Q.ty: 1 | INCREMENTAL                       |                                                                                     |
| <b>1079441</b><br>42-0139-3000<br>n° 1 Pkg Q.ty: 1 | DETENT                            |  |
| <b>1082414</b><br>42-0139-4000<br>n° 1 Pkg Q.ty: 1 | CENTRAL<br>DETENT                 |                                                                                     |
| <b>1079443</b><br>42-0144-1000<br>n° 1 Pkg Q.ty: 1 | NO DETENT                         |                                                                                     |
| <b>1079445</b><br>42-0144-2000<br>n° 1 Pkg Q.ty: 1 | INCREMENTAL                       |  |
| <b>1079447</b><br>42-0144-3000<br>n° 1 Pkg Q.ty: 1 | DETENT                            |  |
| <b>1082416</b><br>42-0144-4000<br>n° 1 Pkg Q.ty: 1 | CENTRAL<br>DETENT                 |                                                                                     |
| <b>1079449</b><br>42-0145-1000<br>n° 1 Pkg Q.ty: 1 | NO DETENT                         |                                                                                     |
| <b>1079451</b><br>42-0145-2000<br>n° 1 Pkg Q.ty: 1 | INCREMENTAL                       |  |
| <b>1079453</b><br>42-0145-3000<br>n° 2 Pkg Q.ty: 1 | DETENT                            |  |
| <b>1082419</b><br>42-0145-4000<br>n° 1 Pkg Q.ty: 1 | CENTRAL<br>DETENT                 |                                                                                     |





# KEYPADS

*CAN BUS*



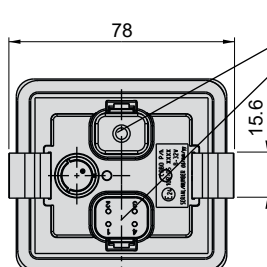
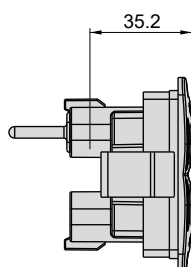
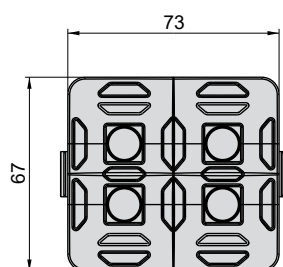
# KEYPAD 4 CAN BUS

4 funzioni con simboli retroilluminati / 4 functions with backlit symbols

## SPECIFICHE TECNICHE

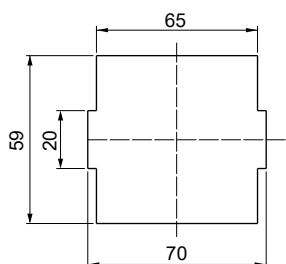
Technical specifications

- Alimentazione: 8 - 32V DC
- Connettori: 2 x DEUTSCH 4 vie a tenuta
- Protezione per connettore non utilizzato
- Connessione: CAN BUS
- Grado di protezione: IP67 parte superiore
- Fissaggio: molle o dadi M5
- Led di funzione: RGB dimmerabile (rosso, verde, blu, giallo, ciano, magenta)
- Retroilluminazione simbolo con Led bianco
- Simboli intercambiabili
- Temperatura di funzionamento: - 40° C ÷ + 85° C
- Power supply: 8 - 32V DC
- Connectors: 2 x DEUTSCH 4 pins sealed
- Protection for unused connector
- Connection: CAN BUS
- Sealing degree: IP67 top portion
- Fixing: springs or M5 bolts
- Function Led: RGB dimmable (red, green, blue, yellow, cyan, magenta)
- Symbol backlit with white Led
- Interchangeable symbols
- Operating temperature: - 40° C ÷ + 85° C



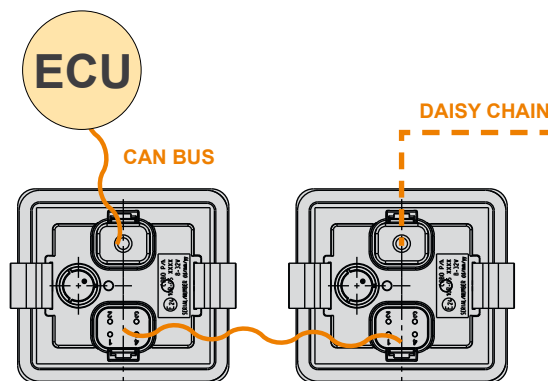
DEUTSCH 4 vie / 4 pins:  
Connettore controparte  
Mating connector  
P/N COBO 3009671 (XE0802574)  
P/N DEUTSCH DT06-4S-C015

**OPTIONAL KIT**  
Connettore controparte  
Mating connector  
P/N COBO 1028522 (27-0907-0000)



Foratura di applicazione  
Fixing hole

## Esempio di interconnessione Connection example



vista posteriore KEYPAD  
KEYPAD rear view

## KEYPAD 4 senza tasti / *without keys*



| P/N                            | Pkg<br>Q.ty |
|--------------------------------|-------------|
| <b>1096091</b><br>32-0415-0000 | 1           |
|                                |             |

Vedi elenco dei simboli a pagina 38-42  
*See list of symbols on page 38-42*

- Simboli retroilluminati - LED bianco
- *Backlit symbols - white LED*



- LED di funzione
- *Function LED*

**color LED RGB customizable  
by CAN BUS**



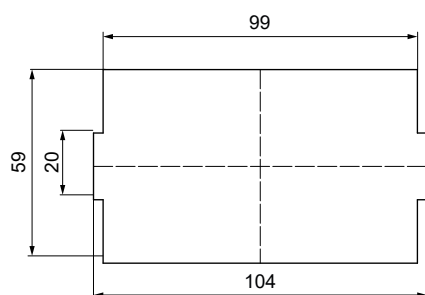
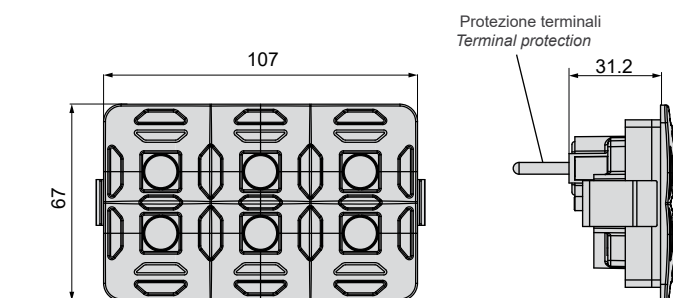
# KEYPAD 6 CAN BUS

6 funzioni con simboli retroilluminati / 6 functions with backlit symbols

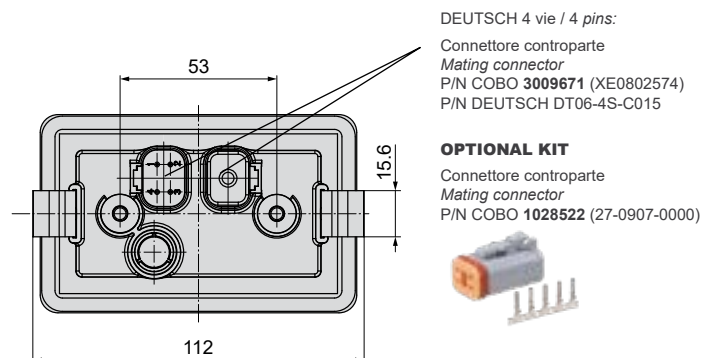
## SPECIFICHE TECNICHE

Technical specifications

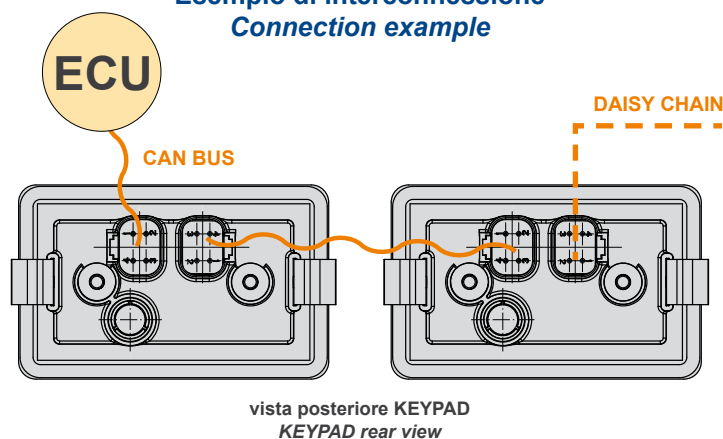
- Alimentazione: 8 - 32V DC
- Connettori: 2 x DEUTSCH 4 vie a tenuta
- Protezione per connettore non utilizzato
- Connessione: CAN BUS
- Grado di protezione: IP67 parte superiore
- Fissaggio: molle o dadi M5
- Led di funzione: RGB dimmerabile (rosso, verde, blu, giallo, ciano, magenta)
- Retroilluminazione simbolo con Led bianco
- Simboli intercambiabili
- Temperatura di funzionamento: - 40° C ÷ + 85° C
- Power supply: 8 - 32V DC
- Connectors: 2 x DEUTSCH 4 pins sealed
- Protection for unused connector
- Connection: CAN BUS
- Sealing degree: IP67 top portion
- Fixing: springs or M5 bolts
- Function Led: RGB dimmable (red, green, blue, yellow, cyan, magenta)
- Symbol backlit with white Led
- Interchangeable symbols
- Operating temperature: - 40° C ÷ + 85° C



Foratura di applicazione  
Fixing hole



## Esempio di interconnessione Connection example



**KEYPAD 6**  
senza tasti / *without keys*



| P/N                            | Pkg<br>Q.ty |
|--------------------------------|-------------|
| <b>1097015</b><br>32-0421-0000 | 1           |
|                                |             |

Vedi elenco dei simboli a pagina 38-42  
*See list of symbols on page 38-42*

- Simboli retroilluminati - LED bianco
- *Backlit symbols - white LED*



**color LED RGB customizable  
by CAN BUS**

- LED di funzione
- *Function LED*



# KEYPADS 4/6 INSERT

Inserti con simboli retroilluminabili / Inserts with backlit symbols

- Applicabile a passi di 90°
- Simboli customizzabili su richiesta
- *Applicable at 90° steps*
- *Symbols customizable on request*

## KEYPAD 4



## KEYPAD 6



Pkg Q.ty: 10

P/N

|                                                                                       |                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
|    | <b>1097016</b><br>32-0421-0020<br>OLD<br><b>1084895</b><br>32-0390-0020 |
|    | <b>1097059</b><br>32-0421-0021<br>OLD<br><b>1084896</b><br>32-0390-0021 |
|    | <b>1097060</b><br>32-0421-0022<br>OLD<br><b>1084897</b><br>32-0390-0022 |
|   | <b>1097061</b><br>32-0421-0023<br>OLD<br><b>1084898</b><br>32-0390-0023 |
|  | <b>1097062</b><br>32-0421-0024<br>OLD<br><b>1084899</b><br>32-0390-0024 |
|  | <b>1097063</b><br>32-0421-0025<br>OLD<br><b>1084900</b><br>32-0390-0025 |
|  | <b>1097064</b><br>32-0421-0026<br>OLD<br><b>1084901</b><br>32-0390-0026 |
|  | <b>1097065</b><br>32-0421-0027<br>OLD<br><b>1084902</b><br>32-0390-0027 |
|  | <b>1097066</b><br>32-0421-0028<br>OLD<br><b>1084903</b><br>32-0390-0028 |
|  | <b>1097067</b><br>32-0421-0029<br>OLD<br><b>1084904</b><br>32-0390-0029 |

**Pkg Q.ty: 10**

| P/N                                                                                                                                                        | P/N                                                                                                                                                         | P/N                                                                                                                                                         | P/N                                                                                                                                                          | P/N                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>1097068</b><br>32-0421-0030<br>OLD<br><b>1084905</b><br>32-0390-0030   |  <b>1097079</b><br>32-0421-0041<br>OLD<br><b>1089272</b><br>32-0390-0041   |  <b>1097089</b><br>32-0421-0051<br>OLD<br><b>1090000</b><br>32-0390-0051   |  <b>1097097</b><br>32-0421-0076<br>OLD<br><b>1092053</b><br>32-0390-0076   |  <b>1097107</b><br>32-0421-0092<br>OLD<br><b>1093699</b><br>32-0390-0092   |
|  <b>1097070</b><br>32-0421-0032<br>OLD<br><b>1087674</b><br>32-0390-0032   |  <b>1097080</b><br>32-0421-0042<br>OLD<br><b>1089273</b><br>32-0390-0042   |  <b>1098624</b><br>32-0421-0052<br>OLD<br><b>1090283</b><br>32-0390-0052   |  <b>1097098</b><br>32-0421-0077<br>OLD<br><b>1092054</b><br>32-0390-0077   |  <b>1097108</b><br>32-0421-0096<br>OLD<br><b>1093703</b><br>32-0390-0096   |
|  <b>1097071</b><br>32-0421-0033<br>OLD<br><b>1087675</b><br>32-0390-0033   |  <b>1097081</b><br>32-0421-0043<br>OLD<br><b>1089600</b><br>32-0390-0043   |  <b>1098341</b><br>32-0421-0053<br>OLD<br><b>1090284</b><br>32-0390-0053   |  <b>1097099</b><br>32-0421-0078<br>OLD<br><b>1092055</b><br>32-0390-0078   |  <b>1097109</b><br>32-0421-0098<br>OLD<br><b>1094224</b><br>32-0390-0098   |
|  <b>1097072</b><br>32-0421-0034<br>OLD<br><b>1087676</b><br>32-0390-0034  |  <b>1097082</b><br>32-0421-0044<br>OLD<br><b>1089601</b><br>32-0390-0044  |  <b>1097090</b><br>32-0421-0060<br>OLD<br><b>1090291</b><br>32-0390-0060  |  <b>1097100</b><br>32-0421-0079<br>OLD<br><b>1092057</b><br>32-0390-0079  |  <b>1097110</b><br>32-0421-0099<br>OLD<br><b>1094225</b><br>32-0390-0099  |
|  <b>1097073</b><br>32-0421-0035<br>OLD<br><b>1087677</b><br>32-0390-0035 |  <b>1097083</b><br>32-0421-0045<br>OLD<br><b>1089602</b><br>32-0390-0045 |  <b>1097091</b><br>32-0421-0069<br>OLD<br><b>1091297</b><br>32-0390-0069 |  <b>1097101</b><br>32-0421-0080<br>OLD<br><b>1092058</b><br>32-0390-0080 |  <b>1097111</b><br>32-0421-0101<br>OLD<br><b>1094226</b><br>32-0390-0101 |
|  <b>1097074</b><br>32-0421-0036<br>OLD<br><b>1089174</b><br>32-0390-0036 |  <b>1097084</b><br>32-0421-0046<br>OLD<br><b>1089603</b><br>32-0390-0046 |  <b>1097092</b><br>32-0421-0070<br>OLD<br><b>1091298</b><br>32-0390-0070 |  <b>1097102</b><br>32-0421-0081<br>OLD<br><b>1092059</b><br>32-0390-0081 |  <b>1097112</b><br>32-0421-0102<br>OLD<br><b>1094227</b><br>32-0390-0102 |
|  <b>1097075</b><br>32-0421-0037<br>OLD<br><b>1089176</b><br>32-0390-0037 |  <b>1097085</b><br>32-0421-0047<br>OLD<br><b>1089604</b><br>32-0390-0047 |  <b>1097093</b><br>32-0421-0072<br>OLD<br><b>1092024</b><br>32-0390-0072 |  <b>1097103</b><br>32-0421-0082<br>OLD<br><b>1092060</b><br>32-0390-0082 |  <b>1097113</b><br>32-0421-0103<br>OLD<br><b>1094228</b><br>32-0390-0103 |
|  <b>1097076</b><br>32-0421-0038<br>OLD<br><b>1089177</b><br>32-0390-0038 |  <b>1097086</b><br>32-0421-0048<br>OLD<br><b>1089605</b><br>32-0390-0048 |  <b>1097094</b><br>32-0421-0073<br>OLD<br><b>1092050</b><br>32-0390-0073 |  <b>1097104</b><br>32-0421-0083<br>OLD<br><b>1092061</b><br>32-0390-0083 |  <b>1097114</b><br>32-0421-0104<br>OLD<br><b>1094229</b><br>32-0390-0104 |
|  <b>1097077</b><br>32-0421-0039<br>OLD<br><b>1089270</b><br>32-0390-0039 |  <b>1097087</b><br>32-0421-0049<br>OLD<br><b>1089606</b><br>32-0390-0049 |  <b>1097095</b><br>32-0421-0074<br>OLD<br><b>1092051</b><br>32-0390-0074 |  <b>1097105</b><br>32-0421-0084<br>OLD<br><b>1092062</b><br>32-0390-0084 |  <b>1097115</b><br>32-0421-0105<br>OLD<br><b>1094902</b><br>32-0390-0105 |
|  <b>1097078</b><br>32-0421-0040<br>OLD<br><b>1089271</b><br>32-0390-0040 |  <b>1097088</b><br>32-0421-0050<br>OLD<br><b>1089999</b><br>32-0390-0050 |  <b>1097096</b><br>32-0421-0075<br>OLD<br><b>1092052</b><br>32-0390-0075 |  <b>1097106</b><br>32-0421-0085<br>OLD<br><b>1093240</b><br>32-0390-0085 |  <b>1097116</b><br>32-0421-0106<br>OLD<br><b>1094903</b><br>32-0390-0106 |

# KEYPADS 4/6 INSERT

Inserti con simboli retroilluminabili / Inserts with backlit symbols

Pkg Q.ty: 10

| P/N                                                                                                                                                           | P/N                                                                                                                                                            | P/N                                                                                                                                                            | P/N                                                                                                                                                             | P/N                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <br><b>1097117</b><br>32-0421-0107<br>OLD<br><b>1094904</b><br>32-0390-0107   | <br><b>1097129</b><br>32-0421-0119<br>OLD<br><b>1095028</b><br>32-0390-0119   | <br><b>1097149</b><br>32-0421-0136<br>OLD<br><b>1096022</b><br>32-0390-0136   | <br><b>1097156</b><br>32-0421-0151<br>OLD<br><b>1096524</b><br>32-0390-0151   | <br><b>1097355</b><br>32-0421-0163   |
| <br><b>1097118</b><br>32-0421-0109<br>OLD<br><b>1094906</b><br>32-0390-0109   | <br><b>1097130</b><br>32-0421-0126<br>OLD<br><b>1095692</b><br>32-0390-0126   | <br><b>1097150</b><br>32-0421-0137<br>OLD<br><b>1096023</b><br>32-0390-0137   | <br><b>1097157</b><br>32-0421-0152<br>OLD<br><b>1096525</b><br>32-0390-0152   | <br><b>1097356</b><br>32-0421-0164   |
| <br><b>1097120</b><br>32-0421-0111<br>OLD<br><b>1094908</b><br>32-0390-0111   | <br><b>1097131</b><br>32-0421-0127<br>OLD<br><b>1095693</b><br>32-0390-0127   | <br><b>1097151</b><br>32-0421-0138<br>OLD<br><b>1096653</b><br>32-0390-0138   | <br><b>1097158</b><br>32-0421-0153<br>OLD<br><b>1096527</b><br>32-0390-0153   | <br><b>1097483</b><br>32-0421-0168   |
| <br><b>1097121</b><br>32-0421-0112<br>OLD<br><b>1094967</b><br>32-0390-0112  | <br><b>1097133</b><br>32-0421-0128<br>OLD<br><b>1095694</b><br>32-0390-0128  | <br><b>1099965</b><br>32-0421-0142                                           | <br><b>1097160</b><br>32-0421-0154<br>OLD<br><b>1096528</b><br>32-0390-0154  | <br><b>1097484</b><br>32-0421-0169  |
| <br><b>1097123</b><br>32-0421-0113<br>OLD<br><b>1094968</b><br>32-0390-0113 | <br><b>1097134</b><br>32-0421-0129<br>OLD<br><b>1095695</b><br>32-0390-0129 | <br><b>1098339</b><br>32-0421-0143                                          | <br><b>1097161</b><br>32-0421-0155<br>OLD<br><b>1096550</b><br>32-0390-0155 | <br><b>1097488</b><br>32-0421-0170 |
| <br><b>1097124</b><br>32-0421-0114<br>OLD<br><b>1094969</b><br>32-0390-0114 | <br><b>1097135</b><br>32-0421-0130<br>OLD<br><b>1095696</b><br>32-0390-0130 | <br><b>1097152</b><br>32-0421-0144<br>OLD<br><b>1096115</b><br>32-0390-0144 | <br><b>1097170</b><br>32-0421-0156<br>OLD<br><b>1096551</b><br>32-0390-0156 | <br><b>1097489</b><br>32-0421-0171 |
| <br><b>1097125</b><br>32-0421-0115<br>OLD<br><b>1094970</b><br>32-0390-0115 | <br><b>1097136</b><br>32-0421-0132<br>OLD<br><b>1096018</b><br>32-0390-0132 | <br><b>1097153</b><br>32-0421-0145<br>OLD<br><b>1096116</b><br>32-0390-0145 | <br><b>1097171</b><br>32-0421-0157<br>OLD<br><b>1096552</b><br>32-0390-0157 | <br><b>1097490</b><br>32-0421-0172 |
| <br><b>1097126</b><br>32-0421-0116<br>OLD<br><b>1094971</b><br>32-0390-0116 | <br><b>1097146</b><br>32-0421-0133<br>OLD<br><b>1096019</b><br>32-0390-0133 | <br><b>1098623</b><br>32-0421-0146                                          | <br><b>1097172</b><br>32-0421-0158<br>OLD<br><b>1096553</b><br>32-0390-0158 | <br><b>1097491</b><br>32-0421-0173 |
| <br><b>1097127</b><br>32-0421-0117<br>OLD<br><b>1094972</b><br>32-0390-0117 | <br><b>1097147</b><br>32-0421-0134<br>OLD<br><b>1096020</b><br>32-0390-0134 | <br><b>1097154</b><br>32-0421-0147<br>OLD<br><b>1096336</b><br>32-0390-0147 | <br><b>1097352</b><br>32-0421-0161                                          | <br><b>1097492</b><br>32-0421-0174 |
| <br><b>1097128</b><br>32-0421-0118<br>OLD<br><b>1095027</b><br>32-0390-0118 | <br><b>1097148</b><br>32-0421-0135<br>OLD<br><b>1096021</b><br>32-0390-0135 | <br><b>1097155</b><br>32-0421-0148<br>OLD<br><b>1096337</b><br>32-0390-0148 | <br><b>1097353</b><br>32-0421-0162                                          | <br><b>1097493</b><br>32-0421-0175 |

**Pkg Q.ty: 10**

| P/N                                                                                                               | P/N                                                                                                                | P/N                                                                                                                | P/N                                                                                                                 | P/N                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|  <b>1097494</b><br>32-0421-0176   |  <b>1097975</b><br>32-0421-0198   |  <b>1098041</b><br>32-0421-0208   |  <b>1098038</b><br>32-0421-0218   |  <b>1098095</b><br>32-0421-0228   |
|  <b>1097495</b><br>32-0421-0177   |  <b>1097977</b><br>32-0421-0199   |  <b>1098042</b><br>32-0421-0209   |  <b>1098040</b><br>32-0421-0219   |  <b>1098096</b><br>32-0421-0229   |
|  <b>1097496</b><br>32-0421-0178   |  <b>1097980</b><br>32-0421-0200   |  <b>1098043</b><br>32-0421-0210   |  <b>1098060</b><br>32-0421-0220   |  <b>1098098</b><br>32-0421-0230   |
|  <b>1097573</b><br>32-0421-0179 |  <b>1097983</b><br>32-0421-0201 |  <b>1098044</b><br>32-0421-0211 |  <b>1098061</b><br>32-0421-0221 |  <b>1098108</b><br>32-0421-0231 |
|  <b>1097574</b><br>32-0421-0180 |  <b>1097984</b><br>32-0421-0202 |  <b>1098045</b><br>32-0421-0212 |  <b>1098062</b><br>32-0421-0222 |  <b>1098109</b><br>32-0421-0232 |
|  <b>1097962</b><br>32-0421-0193 |  <b>1097986</b><br>32-0421-0203 |  <b>1098046</b><br>32-0421-0213 |  <b>1098063</b><br>32-0421-0223 |  <b>1098110</b><br>32-0421-0233 |
|  <b>1097967</b><br>32-0421-0194 |  <b>1097988</b><br>32-0421-0204 |  <b>1098047</b><br>32-0421-0214 |  <b>1098064</b><br>32-0421-0224 |  <b>1098111</b><br>32-0421-0234 |
|  <b>1097970</b><br>32-0421-0195 |  <b>1098035</b><br>32-0421-0205 |  <b>1098033</b><br>32-0421-0215 |  <b>1098065</b><br>32-0421-0225 |  <b>1098112</b><br>32-0421-0235 |
|  <b>1097971</b><br>32-0421-0196 |  <b>1098037</b><br>32-0421-0206 |  <b>1098034</b><br>32-0421-0216 |  <b>1098092</b><br>32-0421-0226 |  <b>1098117</b><br>32-0421-0236 |
|  <b>1097973</b><br>32-0421-0197 |  <b>1098039</b><br>32-0421-0207 |  <b>1098036</b><br>32-0421-0217 |  <b>1098093</b><br>32-0421-0227 |  <b>1098118</b><br>32-0421-0237 |

# KEYPADS 4/6 INSERT

Inserti con simboli retroilluminabili / Inserts with backlit symbols

Pkg Q.ty: 10

| P/N                                                                                                               | P/N                                                                                                                          | P/N                                                                                                                            | P/N                                                                                                                | P/N |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----|
|  <b>1098119</b><br>32-0421-0238   |  <b>1098786</b><br>32-0421-0248             |  <b>1100100</b><br>32-0421-0258               |  <b>1100465</b><br>32-0421-0268  |     |
|  <b>1098120</b><br>32-0421-0239   |  <b>1098787</b><br>32-0421-0249             |  <b>1100101</b><br>32-0421-0259               |  <b>1100840</b><br>32-0421-0269  |     |
|  <b>1098121</b><br>32-0421-0240   |  <b>1099429</b><br>32-0421-0250             |  <b>1100102</b><br>32-0421-0260               |  <b>1100841</b><br>32-0421-0270  |     |
|  <b>1098122</b><br>32-0421-0241  |  <b>1099430</b><br>32-0421-0251            |  <b>1100103</b><br>32-0421-0261              |  <b>1100842</b><br>32-0421-0271 |     |
|  <b>1098780</b><br>32-0421-0242 |  <b>F0</b> <b>1099511</b><br>32-0421-0252 |  <b>1100104</b><br>32-0421-0262             |                                                                                                                    |     |
|  <b>1098781</b><br>32-0421-0243 |  <b>F1</b> <b>1099512</b><br>32-0421-0253 |  <b>rpm+</b> <b>1100460</b><br>32-0421-0263 |                                                                                                                    |     |
|  <b>1098782</b><br>32-0421-0244 |  <b>F2</b> <b>1099513</b><br>32-0421-0254 |  <b>rpm-</b> <b>1100461</b><br>32-0421-0264 |                                                                                                                    |     |
|  <b>1098783</b><br>32-0421-0245 |  <b>F3</b> <b>1099514</b><br>32-0421-0255 |  <b>rpm1</b> <b>1100462</b><br>32-0421-0265 |                                                                                                                    |     |
|  <b>1098784</b><br>32-0421-0246 |  <b>F4</b> <b>1099515</b><br>32-0421-0256 |  <b>rpm2</b> <b>1100463</b><br>32-0421-0266 |                                                                                                                    |     |
|  <b>1098785</b><br>32-0421-0247 |  <b>F5</b> <b>1099516</b><br>32-0421-0257 |  <b>rpm3</b> <b>1100464</b><br>32-0421-0267 |                                                                                                                    |     |

# KEYPAD B-MMI PLUS CAN BUS

7 funzioni con simboli retroilluminati / 7 functions with backlit symbols

## SPECIFICHE TECNICHE

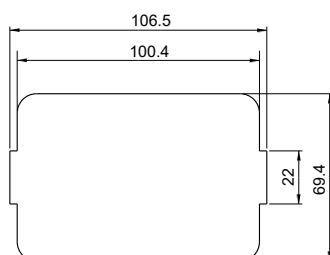
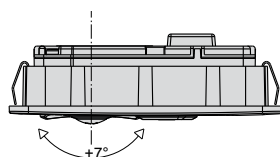
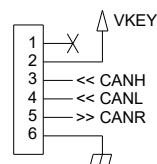
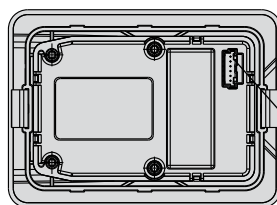
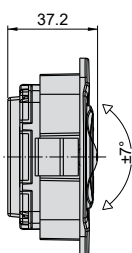
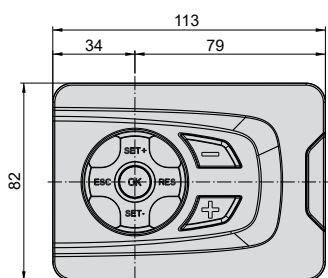
*Technical specifications*

- Alimentazione: 24V DC
- Connettore: MOLEX DURACLICK 6 vie
- Grado di protezione: IP54
- Fissaggio: molle
- 7 funzioni: ESCape, RESet, SET+, SET-, OK, + adj, - adj
- Simboli retroilluminati - LED bianco
- Temperatura di funzionamento: - 40° C ÷ + 70° C

- Power supply: 24V DC
- Connector: MOLEX DURACLICK 6 pins
- Sealing degree: IP54
- Fixing: springs
- 7 functions: ESCape, RESet, SET+, SET-, OK, + adj, - adj
- Backlit symbols - white LED
- Operating temperature: - 40° C ÷ + 70° C



| P/N                            | Pkg<br>Q.ty |
|--------------------------------|-------------|
| <b>1091430</b><br>32-0399-0000 | 1           |
|                                |             |



**Foratura di applicazione**  
**Fixing hole**

MOLEX DURACLICK 6 vie / 6 pins:  
Connettore controparte  
Mating connector  
P/N COBO **3035270** (XE0806719)  
P/N MOLEX 502351-0600

# KEYPAD B-MMI

5 funzioni con simboli retroilluminati / 5 functions with backlit symbols

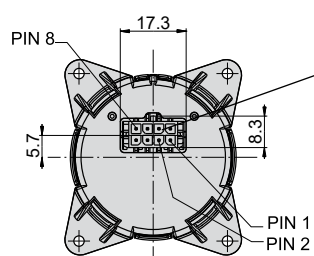
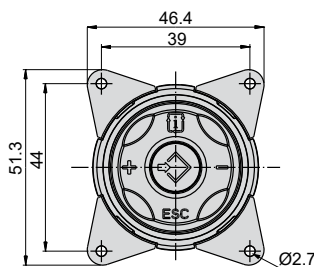
## SPECIFICHE TECNICHE

*Technical specifications*

- Alimentazione: 12V DC o 24V DC
- Connettore: MOLEX MICRO-FIT 8 vie
- Grado di protezione: IP54
- Fissaggio: viti, molle, perni filettati
- 5 funzioni: + adj, -adj, Info, ESCape, enter
- Simboli retroilluminati - LED bianco
- Temperatura di funzionamento: - 40° C ÷ + 70° C

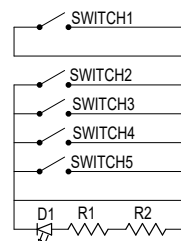
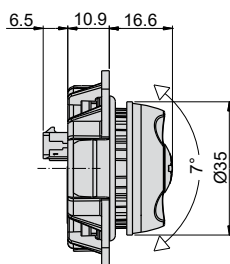
- Power supply: 12V DC or 24V DC
- Connector: MOLEX MICRO-FIT 8 pins
- Sealing degree: IP54
- Fixing: screws, springs, threaded pivots
- 5 functions: + adj, -adj, Info, ESCape, enter
- Backlit symbols - white LED
- Operating temperature: - 40° C ÷ + 70° C

## Versione fissaggio posteriore a vite M2.5 Rear fixing version with screws M2.5

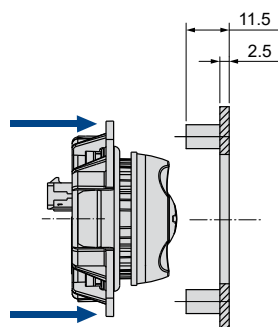
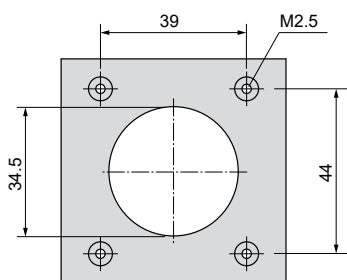


MICRO-FIT 8 vie / 8 pins:  
Connettore controparte  
Mating connector  
P/N COBO 3022970 (XE0801863)  
P/N MOLEX 43025-0800

| P/N            | Pkg<br>Q.ty | Alimentazione<br><i>Power Supply</i> |
|----------------|-------------|--------------------------------------|
| <b>1078094</b> | 1           | 12V                                  |
| <b>1076496</b> | 30          |                                      |
| 34-0209-0000   |             |                                      |
|                |             |                                      |

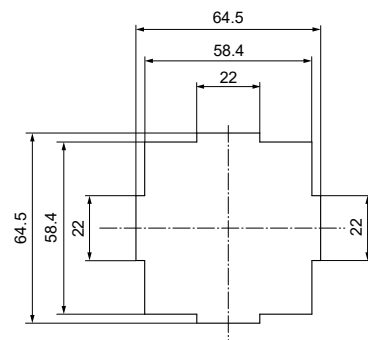
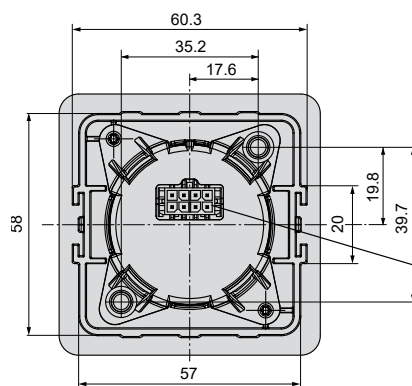


Foratura di applicazione  
Fixing hole

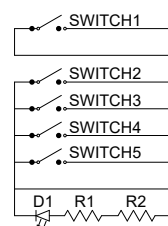




**Foratura di applicazione**  
*Fixing hole*

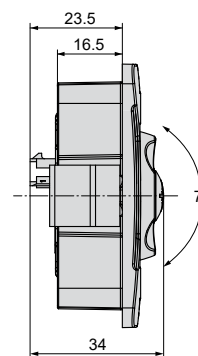
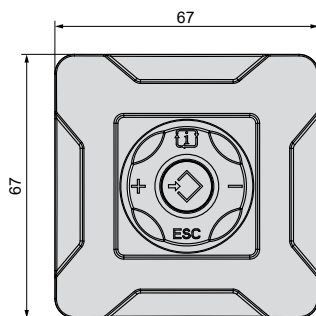


MICRO-FIT 8 vie / 8 pins:  
Connettore controparte  
*Mating connector*  
P/N COBO 3022970 (XE0801863)  
P/N MOLEX 43025-0800



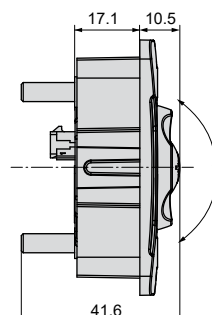
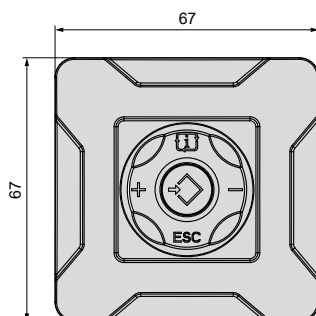
**Versione fissaggio a molle**  
*Springs fixing version*

| P/N                            | Pkg<br>Q.ty | Alimentazione<br>Power Supply |
|--------------------------------|-------------|-------------------------------|
| <b>1081635</b><br>34-0217-0000 | 1           | 12V                           |
| <b>1100575</b><br>34-0237-0000 | 1           | 24V                           |



**Versione fissaggio a perni filettati M5**  
*M5 threaded pivots fixing version*

| P/N                            | Pkg<br>Q.ty | Alimentazione<br>Power Supply |
|--------------------------------|-------------|-------------------------------|
| <b>1081132</b><br>34-0216-0000 | 1           | 12V                           |
|                                |             |                               |



# B-MMI GATEWAY CAN BUS

Consente la connessione del B-MMI ad una rete CAN BUS

*Allows the connection of B-MMI to a CAN BUS*

## SPECIFICHE TECNICHE

*Technical specifications*

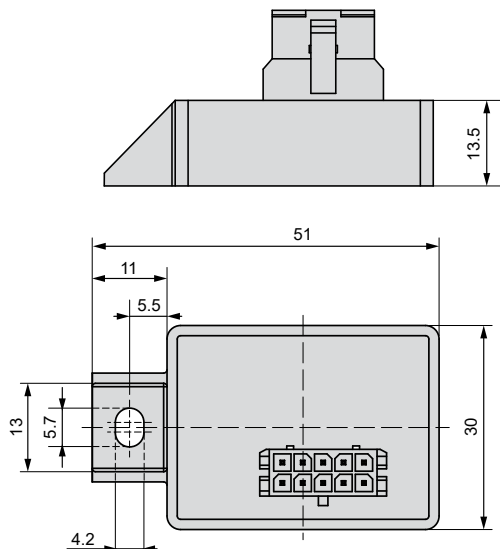
- Alimentazione: 8 - 32V DC
- Connettore: MOLEX MINI-FIT 10 vie
- Grado di protezione: IP40
- 5 ingressi analogici
- Uscita su CAN BUS
- Temperatura di funzionamento: - 40° C ÷ + 70° C

- Power supply: 8 - 32V DC
- Connector: MOLEX MINI-FIT 10 pins
- Sealing degree: IP40
- 5 analog inputs
- Output on CAN BUS
- Operating temperature: - 40° C ÷ + 70° C

| P/N            | Pkg<br>Q.ty |
|----------------|-------------|
| <b>1085022</b> | 1           |
| <b>1080958</b> | 50          |
| 34-0215-0000   |             |



MINI-FIT 10 vie / 10 pins:  
Connettore controparte  
Mating connector  
P/N COBO **3009999** (XE0804153)  
P/N MOLEX SD-43025-1000



| PIN - OUT |                            | LAYOUT CONNETTORE<br>CONNECTOR LAYOUT |   |
|-----------|----------------------------|---------------------------------------|---|
| PIN       | FUNCTION                   |                                       |   |
| 1         | GND                        | 6                                     | 1 |
| 2         | CAN H                      | 7                                     | 2 |
| 3         | CAN L                      | 8                                     | 3 |
| 4         | + KEY                      | 9                                     | 4 |
| 5         | + PWM output for B-MMI Led | 10                                    | 5 |
| 6         | SWITCH 1                   |                                       |   |
| 7         | SWITCH 2                   |                                       |   |
| 8         | SWITCH 3                   |                                       |   |
| 9         | SWITCH 4                   |                                       |   |
| 10        | SWITCH 5                   |                                       |   |

A close-up, grayscale photograph of a car's center console. The image is slightly blurred and has a dark, moody tone. In the center, there are two large, cylindrical rotary knobs with a faceted design. Below them, a portion of a gear shifter is visible, showing the letters 'P', 'R', 'N', 'D', and 'L' on its side. The background shows the contours of the car's interior panels.

# **TPR** *CAN BUS*

(Touch Push Rotate)

# TPR CAN BUS (Touch Push Rotate)

## SPECIFICHE TECNICHE

### Technical specifications

- Alimentazione: 12 - 24V DC
- Connettore: MOLEX 4 vie o DEUTSCH 4 vie
- Grado di protezione: IP54
- Fissaggio: molle
- LED RGB o bianco
- Retroilluminazione dimmerabile
- Temperatura di funzionamento: - 40° C ÷ + 80° C
- Certificazione EMC - ECE R10

- Power supply: 12 - 24V DC
- Connector: MOLEX 4 pins or DEUTSCH 4 pins
- Sealing degree: IP54
- Fixing: springs
- RGB LED or white
- Dimmable backlight
- Operating temperature: - 40° C ÷ + 80° C
- EMC - ECE R10 certification

Le versioni **LED RGB** e **LED BIANCO** possono essere abbinatae manopole di diversa tipologia con o senza simbolo laserato

*The versions **RGB LED** and **WHITE LED** can be combined with knobs of different shapes with or without laser-etched symbol*

### RGB LED



### WHITE LED



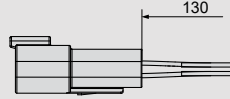
### Tipi di manopola abbinabili / Types of knob combinable



# TPR CAN BUS (Touch Push Rotate)

Versioni complete di manopola - **LED RGB** / Complete with knob versions - **RGB LED**

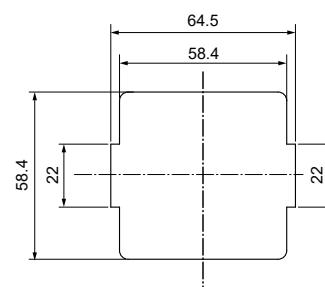
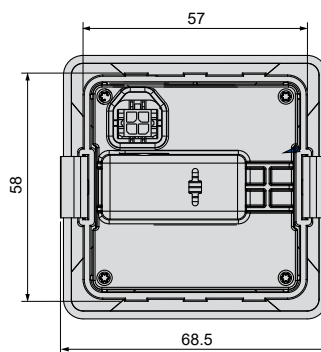
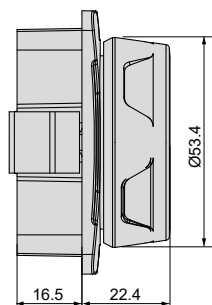
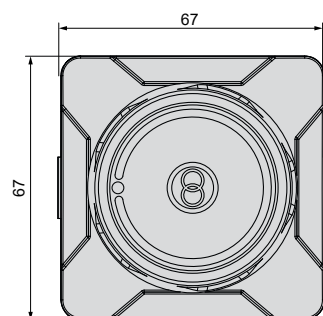


| P/N                            | Pkg<br>Q.ty | Connessione<br>Connection                                                                                     | Connettore controparte<br>Mating connector                                                                                                 |
|--------------------------------|-------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1096704</b><br>32-0395-0000 | 1           | MOLEX 4 vie / 4 pins<br>integrated                                                                            | P/N COBO <b>3009526</b><br>(XE0801861)<br>P/N MOLEX 43025-0400                                                                             |
| <b>1085668</b><br>32-0420-0000 | 1           | DEUTSCH 4 vie / 4 pins<br> | P/N COBO <b>3009671</b><br>(XE0802574)<br>P/N DEUTSCH DT06-4S-C015<br><br><b>OPTIONAL KIT</b><br>P/N COBO <b>1028522</b><br>(27-0907-0000) |

Combinazioni colore  
Color combinations



## ALCUNI ESEMPI / SOME EXAMPLES



Foratura di applicazione  
Fixing hole

# TPR CAN BUS (Touch Push Rotate)

Versioni complete di manopola - **LED BIANCO** / Complete with knob versions - **WHITE LED**



| P/N | Pkg<br>Q.ty |
|-----|-------------|
|-----|-------------|

**1097922**  
32-0453-0000

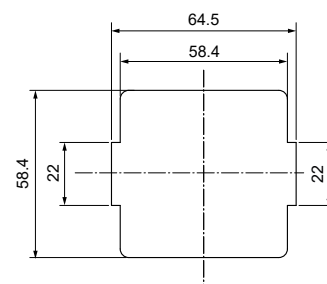
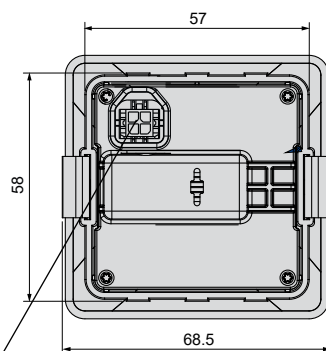
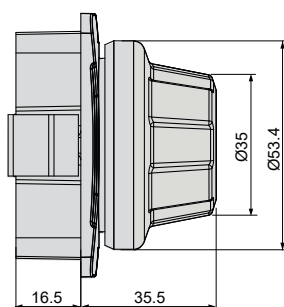
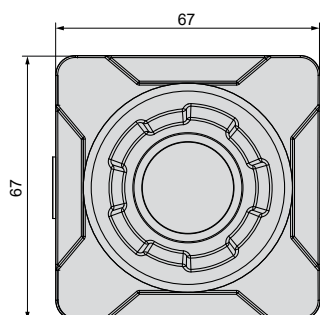
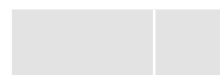
1



| P/N | Pkg<br>Q.ty |
|-----|-------------|
|-----|-------------|

**1097930**  
32-0454-0000

1



Foratura di applicazione  
Fixing hole

MOLEX 4 vie / 4 pins:  
Connettore controparte  
Mating connector  
P/N COBO **3009526** (XE0801861)  
P/N MOLEX 43025-0400

## “ID” CONFIGURATOR

Il configuratore permette all'utilizzatore di TPR e KEYPADS 4/6 tasti di configurare autonomamente l' ID del prodotto via comunicazione CAN BUS presente nel sistema. L'utente potrà modificare l' ID del prodotto, collegando semplicemente il configuratore ad una alimentazione 12V DC oppure 24V DC, seguendo la procedura di seguito riportata.

*The configurator allows the user of TPR and KEYPADS 4/6 keys to independently configure the product ID via CAN BUS communication present in the system.*

*The user can change the product ID by simply connecting the configurator to 12 V DC or 24 V DC power supply by following the procedure below.*

KIT

P/N: 1098484



“CANVIEW4”  
Programmer



“CANVIEW4” Programmer



KEYPADS 4/6 INSERT

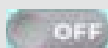
# "ID" CONFIGURATOR

## Procedura configurazione / Configuration procedure

### PAGINA PRINCIPALE / MAIN PAGE

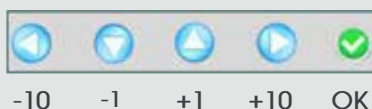


Connettere il dispositivo per configurarlo  
Connect the device to be configure



Premere il pulsante sul display per accendere il dispositivo e trovare il NODE ID  
Press Button on the display to power up the device and detect the NODE ID

Utilizzando i tasti è possibile selezionare il NODE ID per configurarlo.  
Using the keys is possible to set the NODE ID to be configured.



Premere il pulsante sullo schermo per confermare il NODE ID  
Press button on the display to start storing the new NODE ID

### EXAMPLE



**1** ———→  
IMPOSTARE NODE ID 7  
SET NODE ID VALUE 7



**2** ———→  
SCRITTURA NODE ID  
WRITE NODE ID



**3** ———→  
VERIFICA LETTURA NODE ID  
VERIFY READ NODE ID



**4** ———→  
PROGRAMMATO  
PROGRAMMED

**SELEZIONARE IL VALORE DEL NODE ID**

**SET VALUE NODE ID**

# "ID" CONFIGURATOR

## Procedura configurazione / Configuration procedure



Il Node ID letto **non è lo stesso** del NODE ID impostato.  
Il NODE ID non cambia

Read Node ID **not the same** as set Node ID.  
Node ID not change

**\* RIPETERE OPERAZIONE DI PROGRAMMAZIONE  
REPEAT PROGRAMMING**

**STATO ERRORE  
ERROR STATUS**

### PAGINA AGGIORNAMENTO SOFTWARE (solo programmatori) UPDATE SOFTWARE PAGE (only programmer)

Il configuratore ID potrà essere utilizzato anche per altri prodotti configurabili COBO a comunicazione CAN BUS.

Per poter applicare l' ID a nuovi prodotti disponibili è necessario:

- Inquadrare con il proprio cellulare il QR-code
- Scaricare ultima release software disponibile
- Caricare il software su chiave USB
- Seguire la procedura di aggiornamento

*The ID configurator can be also be used for other configurable COBO products with CAN BUS communication.*

*To be able to apply ID to new available product is required:*

- Scan the QR-code with your mobile phone
- Download the new latest software release available
- Load the software on a USB key
- Follow the update procedure



Dopo aver inserito chiave USB con nuovo software nell'apposita presa  
After connect USB Key with new software in the USB socket



**PREMERE PER DOWNLOAD AUTOMATICO  
TOUCH FOR AUTOMATIC DOWNLOAD**



Premere il tasto sullo schermo per tornare alla  
Touch button on the display to return page

**PAGINA DI PROGRAMMAZIONE NODE ID  
PROGRAMMER NODE ID**





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