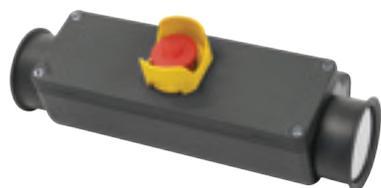


# Dispositivi di comando a due mani Two-hand control devices

## Pulsantiera ergonomica a due mani in alluminio Ergonomic aluminium two-hand control device



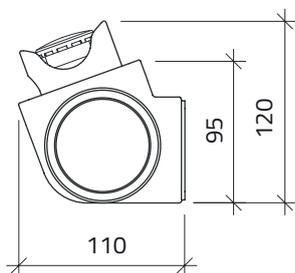
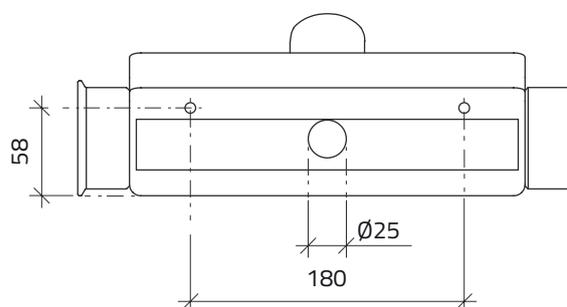
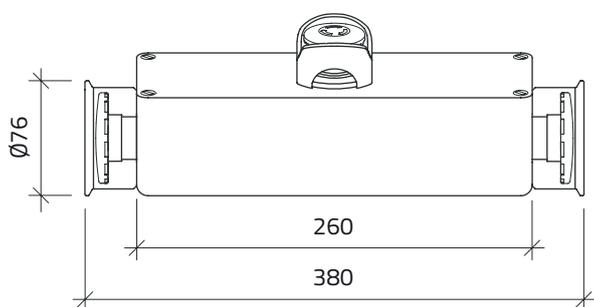
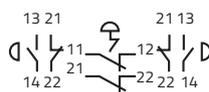
● RAL 7016

g

1461

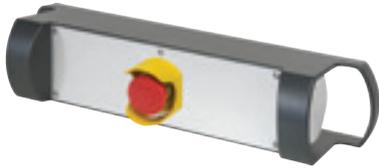
cod

060CL2MA



# Dispositivi di comando a due mani Two-hand control devices

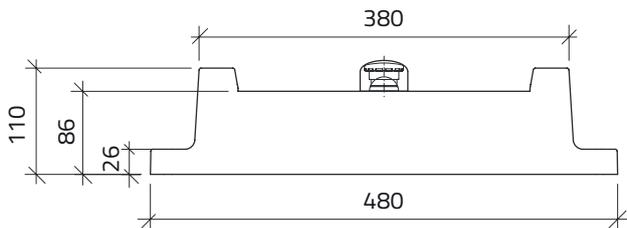
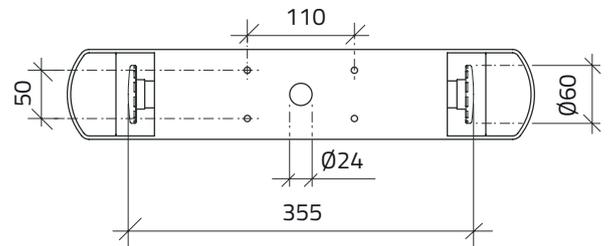
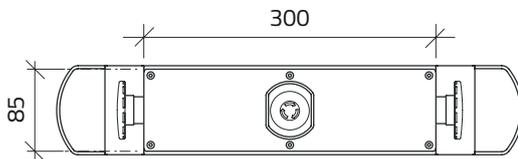
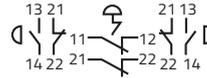
## Pulsantiera a due mani in alluminio Aluminium two-hand control device



● RAL 7016

g  
2050

cod  
060C2MA



# Dispositivi di comando a due mani Two-hand control devices

## Pulsantiera a due mani in alluminio Aluminium two-hand control device

g

cod

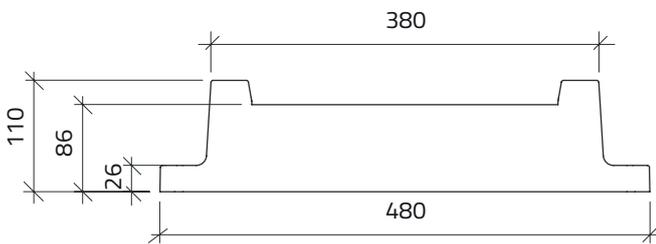
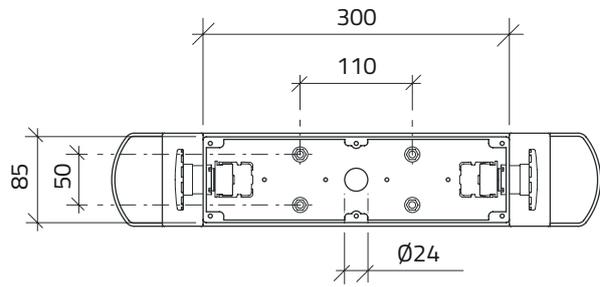
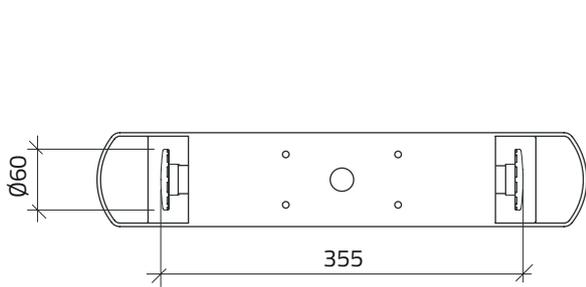
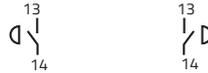


### Involucro in alluminio con pulsanti Aluminium enclosure with push-buttons

● RAL 7016

4454

060C2MGR

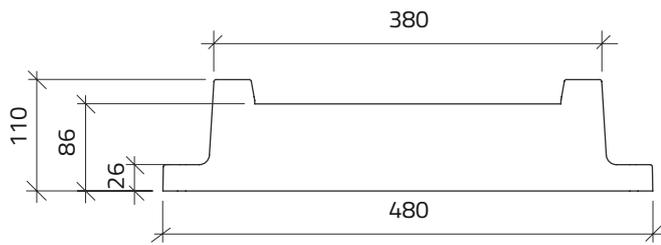
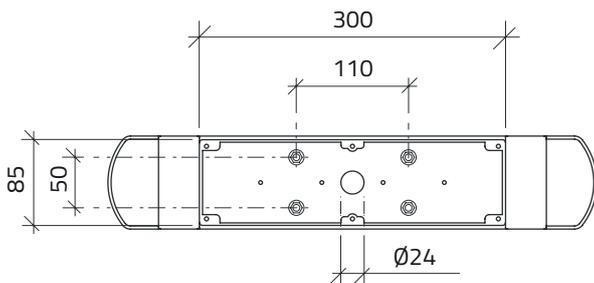


### Involucro vuoto in alluminio Empty enclosure, aluminium

● RAL 7016

1730

060C2M



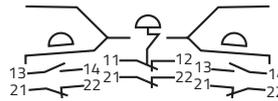
# Dispositivi di comando a due mani Two-hand control devices

## Pulsantiera a due mani in alluminio Aluminium two-hand control device



Per personalizzazioni con altri operatori ed elementi di contatto  
vedi sezione "020 Comando e segnalazione SM2 Ø22"  
For customization with other operators or contact blocks,  
refer to section 020 "Command and signalling SM2 Ø22".

● RAL 7016



g

cod

4650

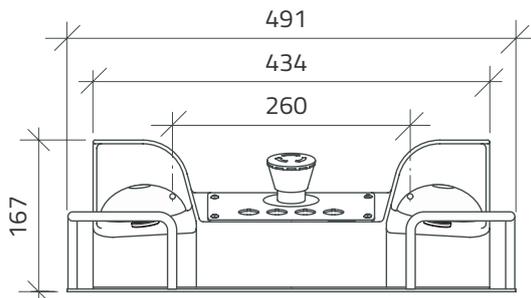
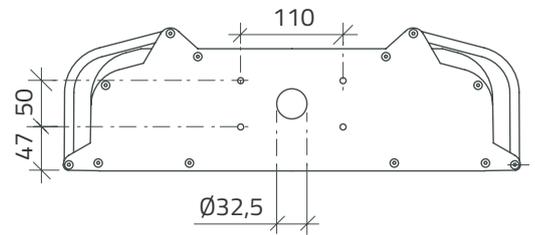
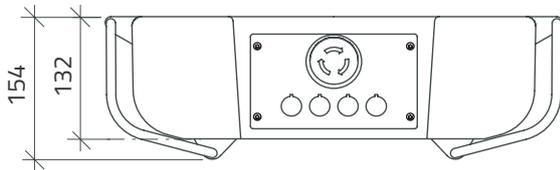
060P2MA



Viti chiusura ermetica / Sealing screws

0,3

060VCE



# Dispositivi di comando a due mani Two-hand control devices

## Pulsantiera a due mani in alluminio Aluminium two-hand control device

g

cod

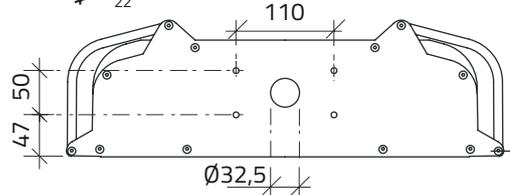
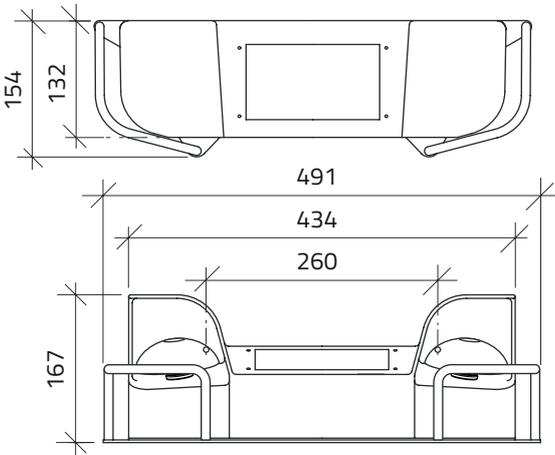
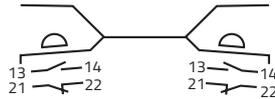


### Involucro in alluminio con pulsanti Aluminium enclosure with push-buttons

● RAL 7016

4,98

060P2MGR

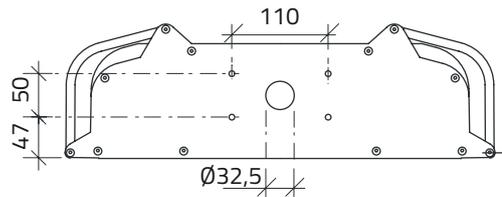
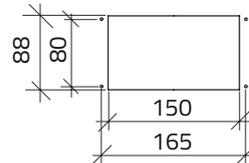
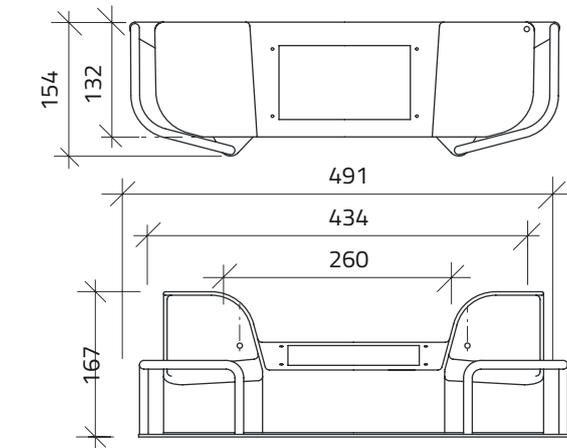


### Involucro vuoto in alluminio Empty enclosure, aluminium

● RAL 7016

4364

060P2M

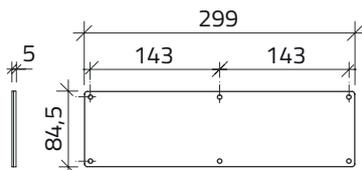


# Dispositivi di comando a due mani Two-hand control devices

## Piastra superiore / Upper plate



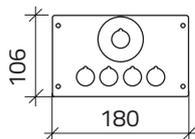
	g	cod
Per articolo 060C2MGR / For item code 060C2MGR	150	060PC



## Piastra superiore / Upper plate



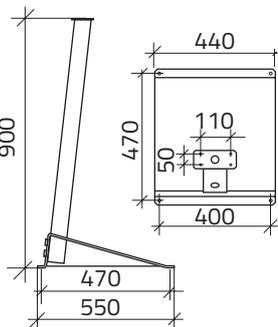
	g	cod
Per articolo 060P2MGR / For item code 060P2MGR		
Piastra forata / Drilled plate	95	060PP2MF
Piastra non forata / Undrilled plate	100	060PP2MN



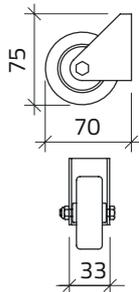
## Stativo per comando bimanuale Stand for two-hand control devices



	g	cod
Per articolo 060CL2MA - 060C2MA - 060P2MA For item code 060CL2MA - 060C2MA - 060P2MA	11,85	060SP2M



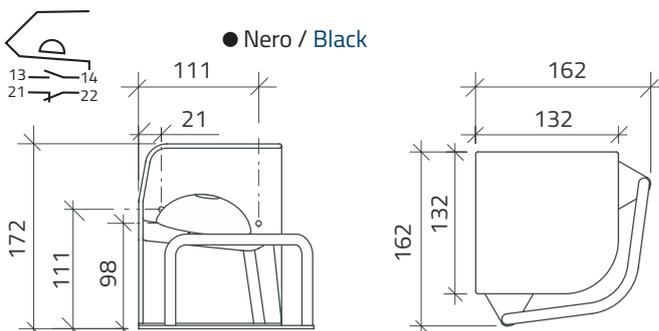
	g	cod
Kit ruote per stativo / Castor kit for stand	290	060SMS



## Pulsantiera singola per comando a due mani Single push-button for two-hand control unit



	g	cod
● Nero / Black	1,6	060MP2GR



# Dispositivi di comando a due mani

## Two-hand control devices

### DEFINIZIONE DI COMANDO A DUE MANI (UNI EN 292/1 PUNTO 3.23.4)

#### 3.23.4

Comando a due mani: comando ad azione mantenuta che richiede almeno l'azionamento simultaneo dei due comandi manuali (attuatori) per avviare e mantenere il funzionamento della macchina o degli elementi di quest'ultima, assicurando così protezione alla persona che li aziona.

### CLASSIFICAZIONE DEI COMANDI A DUE MANI (CEI EN 60204.1 PUNTO 9.2.5.7)

#### 9.2.5.7

Comandi a due mani: esistono tre tipi di comandi a due mani, la cui selezione dipende dalla valutazione dei rischi. Essi devono avere le caratteristiche seguenti:

**TIPO 1:** questo tipo richiede:

- la fornitura di due dispositivi di comando dell'attivazione che necessitano l'uso contemporaneo delle due mani;
- l'attivazione continua durante le situazioni pericolose;
- l'interruzione dell'attivazione della macchina al rilascio di uno qualsiasi dei dispositivi di comando dell'attivazione, se le condizioni rimangono pericolose.

**TIPO 2:** comando di tipo 1 che richiede il rilascio di entrambi i dispositivi di comando dell'attivazione, prima che il funzionamento della macchina possa ripartire.

**TIPO 3:** comando di tipo 2 che richiede un'attivazione contemporanea dei dispositivi di comando dell'attivazione come segue:

- deve essere necessario fare funzionare i dispositivi di comando dell'attivazione entro un determinato tempo limite minore o uguale a 0,5 s (Appendice B); e
- quando viene superato il tempo limite, entrambi i dispositivi di comando dell'attivazione devono essere rilasciati prima che possa essere iniziata una nuova operazione.

### DEFINITION OF TWO HAND CONTROL (UNI EN 292/1 ITEM 3.23.4)

#### 3.23.4

Two hand control: maintained action control which requires at least the simultaneous activation of the two manual controls (actuators) to start up and continue running the machine and its elements, thus ensuring that operators are protected.

### CLASSIFICATION OF TWO HAND CONTROLS (CEI EN 60204.1 ITEM 9.2.5.7)

#### 9.2.5.7

Two hand controls: there are three types of two hand control, the selection of which depends on risk assessment. They must have the following features:

**TYPE 1:** this type must have:

- the supply of two activation control devices which require the simultaneous use of both hands;
- constant activation during dangerous situations;
- machine cut-off when any activation control is released, if conditions continue to be dangerous.

**TYPE 2:** type 1 control which requires the release of both activation control devices for the machine to start running again.

**TYPE 3:** type 2 control which requires the simultaneous activation of the activation control devices as follows:

- it must be possible to engage the activation control devices within a set time equal to or less than 0.5 seconds (Appendix B); and
- when the time limit is up, both activation control devices must be released before a new operation can begin.