



CHARLIE

PENDANT CONTROL STATION

Charlie pendant station is a control device for all industrial machinery. It operates as an auxiliary controller of electrical motors through a power interface, such as a contactor or PLC. Designed for heavy duty, Charlie is aimed specifically for the industrial market.

DESIGN

The look of Charlie has been devised by industrial designers who have linked all the graphic elements to specific technical functions. The project has been developed on the basis of specifications such as technicism, anthropomorphism, futurism and ergonomics to obtain a product whose connotation adds to its uniqueness. The small size of the equipment facilitates its use in all environmental and working conditions, while the shape, resulting from the research of a graphic style suitable for a modern industrial environment, makes Charlie very handy.

FEATURES

A threaded ring is used to secure the enclosure and cover, which also allows easy access to the internal components without any need for tools or screws. The switches are assembled inside the pendant station without the need for screws and they all have terminals facing the cable clamp of the pendant station and screws on the opposite side to facilitate wiring. All electric connections use screw-type terminals.

The emergency stop mushroom pushbutton complies with the EN 418 standard and is equipped with positive opening NC switches.

MATERIALS

Materials and components are wear resistant and protect the equipment against water and dust. Charlie is available with different labels and colors.



INDUSTRIAL
LIFTING



CONSTRUCTION
LIFTING



INDUSTRIAL
AUTOMATION



STAGE
TECHNOLOGY

STANDARDS - MARKINGS - HOMOLOGATIONS

- Conformity to Community Directives:
2006/95/CE: Low Voltage Directive
2006/42/CE: Machinery Directive
- Conformity to Standards:
EN 60204-1 Safety of machinery - Electrical equipment of machines
EN 60947-1 Low-voltage switchgear and controlgear

EN 60947-5-1 Low-voltage switchgear and controlgear - Control circuit devices and switching elements - Electromechanical control circuit devices

EN 60529 Degrees of protection provided by enclosures

EN 418 Safety of machinery - Emergency stop equipment, functional aspects

- Markings and homologations: **CE**

GENERAL TECHNICAL SPECIFICATIONS

- Storage ambient temperature: -40°C/+70°C
- Operational ambient temperature: -25°C/+70°C
- Protection degree: IP 65
- Insulation category: Class II


- Cable entry: Cable clamp M20, spiral cable clamp M20

- Operating positions: any position

- Weight: ~ 320 g

- Markings and homologations: **CE EAC**

TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

- Utilisation category: AC 15
- Rated operational current: 3 A
- Rated operational voltage: 250 V
- Rated thermal current: 10 A
- Rated insulation voltage: 500 V~
- Mechanical life: 0.5x10⁶ operations
- Terminal referencing: according to EN 50013
- Connections: screw-type terminals
- Wires: 1x2.5 mm², 2x1.5 mm²
(UL - (c)UL: use 60°C or 75°C copper (CU) conductor and wire 16-18 AWG)
- Tightening torque: 0.6 Nm
- Markings and homologations: **CE** 

The single switches PRSL1000PI and PRSL1001PI have 1 NO or 1 NC contact with 2 connecting terminals.

The double switch PRSL1002PI (1 speed) has:

- 1 NO contact with 1 connecting terminal for each opposite function
- 1 single terminal for both functions
- electrical interlock.

The double switch PRSL1003PI (2 speeds) has:

- 1 NO contact with 1 connecting terminal for the first speed for each opposite function
- 1 NO contact with 1 connecting terminal for the second speed for both functions
- 1 single terminal for both functions
- electrical interlock.

All NC contacts are of the positive opening operation type.

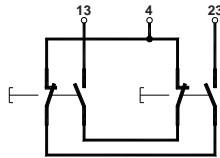
The switches have the following reference for internal wiring.



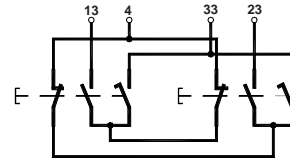
PRSL1000PI



PRSL1001PI



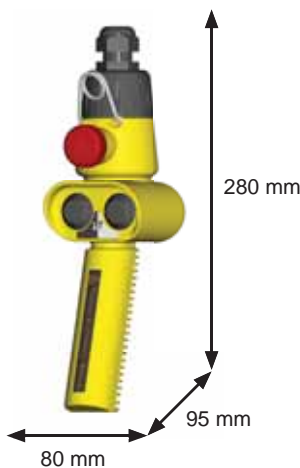
PRSL1002PI



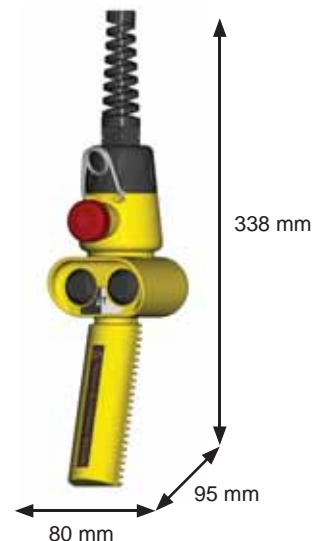
PRSL1003PI

OVERALL DIMENSIONS

With cable clamp M20



With spiral cable clamp M20



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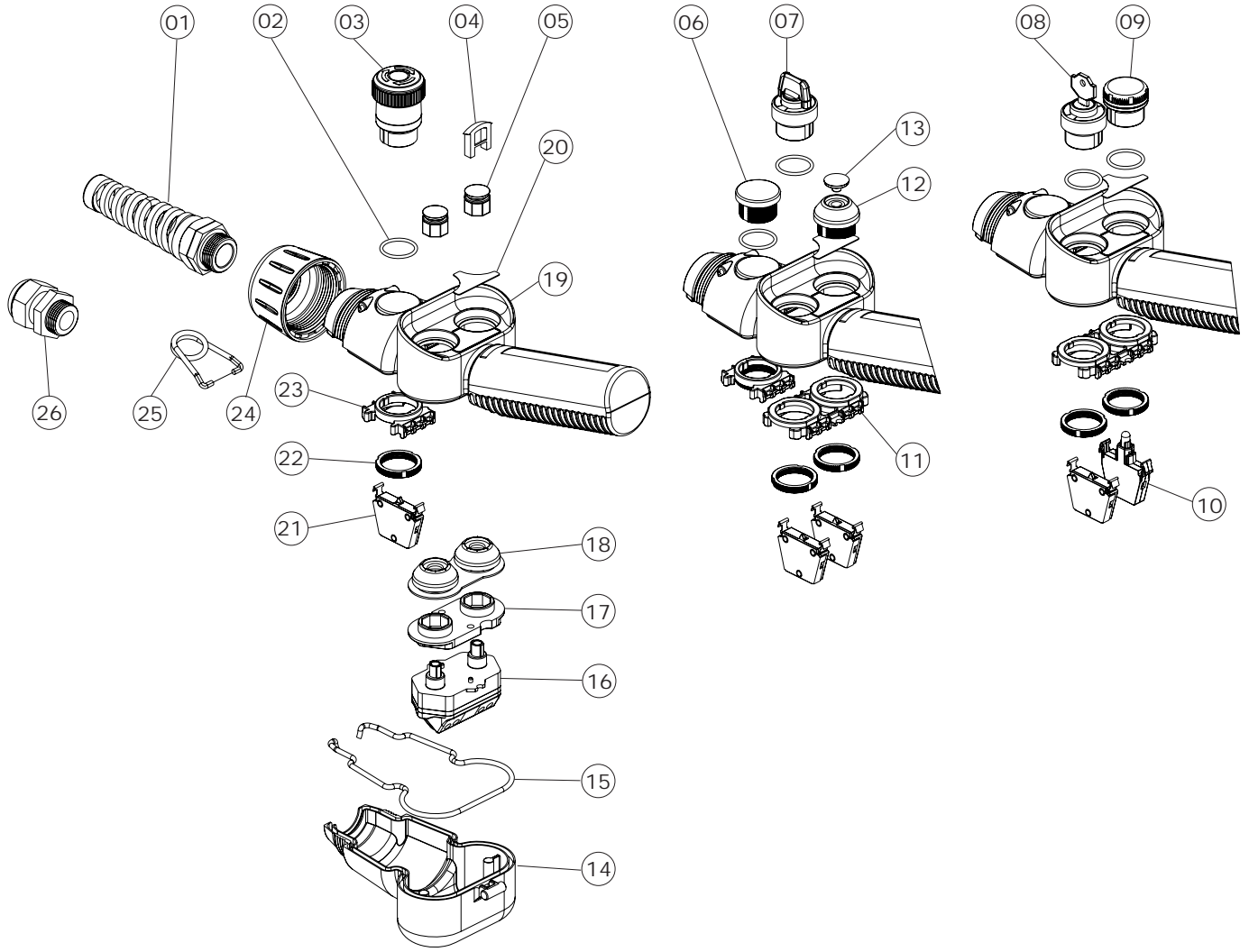
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
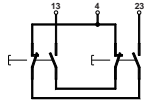
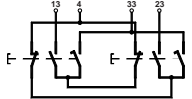



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COMPONENTS


SWITCHES

REF	DRAWING	DESCRIPTION	SCHEME	CODE
10		Lamp holder	-	PRSL1004PI
16		1NO+1NO+common 1 speed double switch		PRSL1002PI
		1NO+1NO+1NO+common 2 speed double switch		PRSL1003PI
21		NO switch		PRSL1000PI
		NC switch		PRSL1001PI

ACTUATORS

REF	DRAWING	DESCRIPTION	CODE
06+02+22		Blanking plug	PRSL1023PI
11		Holding plate for 2+2 switches	PRSL8735PI
12+13+22		Single pushbutton	PRTS000001
17		Holding plate for rubber	PRSL8737PI
18+05		Double pushbutton	PRTD000001
23		Holding plate for 3 switches	PRSL8739PI

PILOT LIGHTS

REF	DRAWING	DESCRIPTION	CODE
09+02+22		Red pilot light	PRSL1012PI
		Yellow pilot light	PRSL1013PI
		Green pilot light	PRSL1014PI

MUSHROOM PUSHBUTTONS

REF	DRAWING	DESCRIPTION	CODE
03+02+22		Emergency stop mushroom pushbutton	PRSL1009PI

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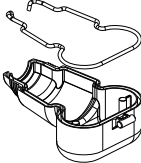
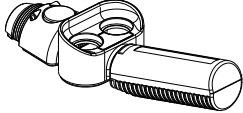








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SELECTOR SWITCHES

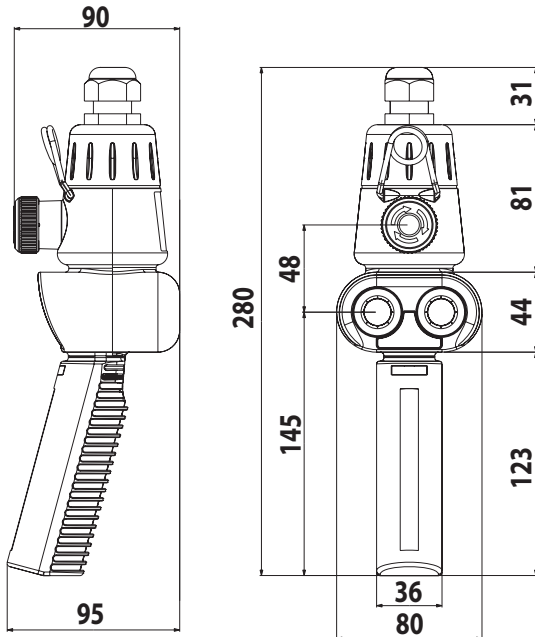
REF	DRAWING	DESCRIPTION	CODE
07+02+22		Spring return selector switch (on-off)	PRSL1015PI
		Selector switch (on-off)	PRSL1016PI
		Spring return 3 position selector switch	PRSL1026PI
		3 position selector switch	PRSL1027PI
08+02+22		Key selector switch (on-off)	PRSL1017PI
		Spring return key selector switch	PRSL1024PI

ACCESSORIES

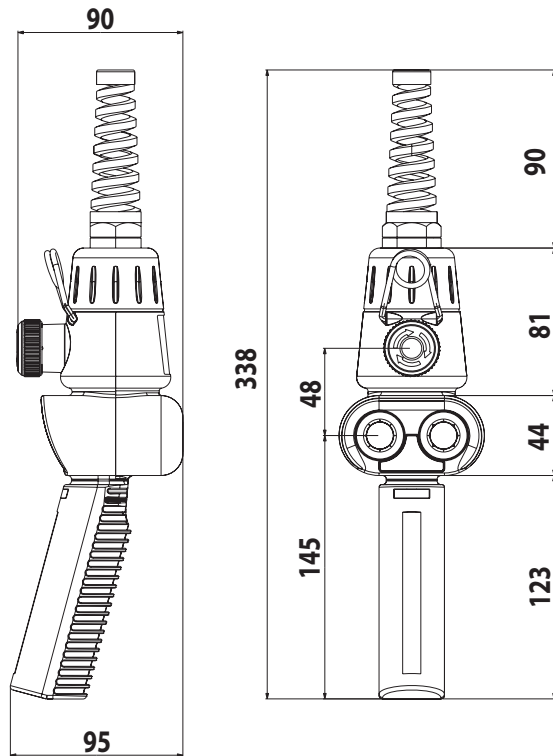
REF	DRAWING	DESCRIPTION	CODE
01		Spiral cable clamp M20	PRPS0025PE
26		Cable clamp M20	PRPS0064PE
14+15		Enclosure	PRSL5518PI
19		Cover	PRSL5008PI
20		Label	ET39030001
		Label	ET39030021
		Label	ET39030014
		Label	ET39030069
		Label	ET39030015
		Label	ET39030007
24		Closing ring for cable clamp and spiral cable clamp	PRSL5524PI
25		Hook	PRGA0015PE

OVERALL DIMENSIONS (MM)

WITH CABLE CLAMP M20


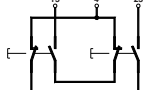
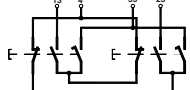




WITH SPIRAL CABLE CLAMP M20



STANDARD PENDANT CONTROL STATION

Standard pendant stations are equipped with cable clamp M20.

SYMBOLS	GRIP		MUSHROOM + 1 NC SWITCH	1 SPEED DOUBLE SWITCH	2 SPEED DOUBLE SWITCH	CODE
	STANDARD	HOLLOW				
	X			X		PF39020001
	X		X	X		PF39030001
		X		X		PF39020070
		X	X	X		PF39030170
	X				X	PF39020002
	X		X		X	PF39030002
		X			X	PF39020071
		X	X		X	PF39030171

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Symbols and control elements

GREEN		
<input type="checkbox"/> 1	<input type="checkbox"/> 8	
GREEN		
<input type="checkbox"/> 2	<input type="checkbox"/> 9	
YELLOW		
<input type="checkbox"/> 3	<input type="checkbox"/> 10	
RED		
<input type="checkbox"/> 4	<input type="checkbox"/> 11	
<input type="checkbox"/> 5	<input type="checkbox"/> 12	
<input type="checkbox"/> 6	BLACK	
<input type="checkbox"/> 7	<input type="checkbox"/> 13	

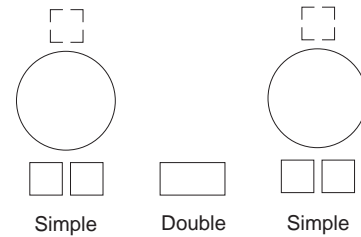
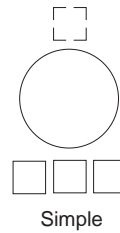
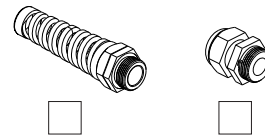
- | | | |
|-----------------------------|------------|--|
| <input type="checkbox"/> 14 | PRSL1009PI | Mushroom pushbutton |
| <input type="checkbox"/> 15 | PRSL1012PI | Red pilot light |
| <input type="checkbox"/> 16 | PRSL1013PI | Yellow pilot light |
| <input type="checkbox"/> 17 | PRSL1014PI | Green pilot light |
| <input type="checkbox"/> 18 | PRSL1015PI | Spring return selector sw. (on-off) |
| <input type="checkbox"/> 19 | PRSL1016PI | Selector switch (on-off) |
| <input type="checkbox"/> 20 | PRSL1017PI | Key selector switch (on-off) |
| <input type="checkbox"/> 21 | PRSL1023PI | Blanking plug |
| <input type="checkbox"/> 22 | PRSL1024PI | Spring return key selector switch |
| <input type="checkbox"/> 23 | PRSL1026PI | Spring return 3 posit. selector switch |
| <input type="checkbox"/> 24 | PRSL1027PI | 3 position selector switch |

Single switches

- | | | |
|----------------------------|------------|-------------|
| <input type="checkbox"/> 1 | PRSL1000PI | 1 NO |
| <input type="checkbox"/> 2 | PRSL1001PI | 1 NC |
| <input type="checkbox"/> 3 | PRSL1004PI | Lamp holder |

Double switches

- | | | |
|----------------------------|------------|-----------------------------|
| <input type="checkbox"/> 1 | PRSL1002PI | 1 speed
1NO+1NO+com |
| <input type="checkbox"/> 2 | PRSL1003PI | 2 speeds
1NO+1NO+1NO+com |



Instructions

- Write the number corresponding to the **control element** required (broken line box). When buttons are required, write the number corresponding to the **symbol** required and mark the direction of the arrow into the corresponding circle. Personalised symbols and letterings can be requested under Remarks.
- Selector switches PRSL1026PI and PRSL1027PI can be assembled only in the central position.
- Write the number corresponding to the single or double **switches**.
- Mark the appropriate box to show whether the **spiral cable clamp M20** or the **cable clamp M20** is required..

Remarks
