MIKE-D NUOVACE

Pendant control station



Pendant control station for **direct control** of industrial machines. Ergonomic shape, easy to handle, user-friendly and sturdy, Mike-D is the result of careful analysis of ergonomic aspects and it is rich in high-performing features to meet the most demanding requirements.

FEATURES

- Reduced installation and wiring time and costs: the cable inlet and the switches fitted in the base of the control station are separated from the actuators, mounted on the cover.
- Innovative suspension system with concealed cables to enable rapid, correct, ergonomic installation.
- Rubber pushbuttons with symbol disks to ensure protection against dust and prevent jamming when the control station is used in harsh environments.
- The emergency stop mushroom pushbutton complies with standard ISO 13850.
- IP protection degree: Mike-D is classified IP66, IP67 and IP69K.
- IK protection degree: Mike-D is classified IK09.
- Extreme temperature resistance: -25°C to +70°C.
- All materials and components used are wear resistant and guarantee protection of the unit against water and dust.

OPTIONS

- Available in configurations with 3 (1 speed version) or 4 actuators (2 speed version).
- Direct control 1 speed two-pole switches and 1 speed threepole switches for emergency mushroom pushbutton.
- Mechanical interlock to prevent simultaneous operation of opposite functions.
- 1 speed pushbuttons available in different colours and mushroom pushbuttons with rotation release.
- Available with labels (symbols and lettering) to be applied next to the actuators or with pushbuttons with two-colour moulded permanent symbols.

CERTIFICATIONS

• CE marking.

Fill in the "request form" for accurate product configuration.

CERTIFICATIONS

Conformity to Community Directives	2014/35/UE Low Voltage Directive
Conformity to Community Directives	2006/42/CE Machinery Directive
Conformity to CE Standards	EN 60204-1 Safety of machinery - Electrical equipment of machines
	EN 60947-1 Low-voltage switchgear and controlgear
	EN 60947-3 Low-voltage switchgear and controlgear - Switches, disconnectors, switch-disconnectors and fuse-combination units
	EN 60529 Degrees of protection provided by enclosures
	ISO 13850 Safety of machinery - Emergency stop - Principles for design
Markings and homologations	< €

GENERAL TECHNICAL SPECIFICATIONS

A male is not to a many a materials	Storage -40°C/+70°C
Ambient temperature	Operational -25°C/+70°C
IP protection degree	IP 66 / IP 67 / IP 69K
IK protection degree	IK 09
Insulation category	Class II
	Rubber cable sleeve (Ø 8÷26 mm)
Cable entry	Cable clamp M20
Operating positions	Any position
Pushbuttons mechanical life	10x10 ⁶ operations

TECHNICAL SPECIFICATIONS OF THE SWITCHES

Code	PRSL1900PI	PRSL1902PI	
Utilisation category	AC 3 - AC 4 AC 23B		
Rated operational current	10	A	
Rated operational voltage	400	Vac	
Rated operational power	2.2	kW	
Rated thermal current	20	A	
Rated insulation voltage	660 Vac		
Connections	Screw-type terminals		
Wires	1x2.5 mm², 2x1.5 mm²		
Tightening torque	0.8 Nm		
Microswitch type	1 speed, two-pole single switch	1 speed, three-pole single switch	
Contacts	2NO	3NC	
Scheme	$\begin{bmatrix} 1 & 21 & 31 \\ 1 & 1 & 1 \\ 12 & 22 & 32 \end{bmatrix}$		
Markings and homologations	C	€	

OVERALL DIMENSIONS (mm)

1 speed 2 speeds 09 09 20 20 14.2 14.2 261

59.5

73.7

72.7

Dimensions of mushroom pushbutton refer to the released position.

72.7

59.5

73.7

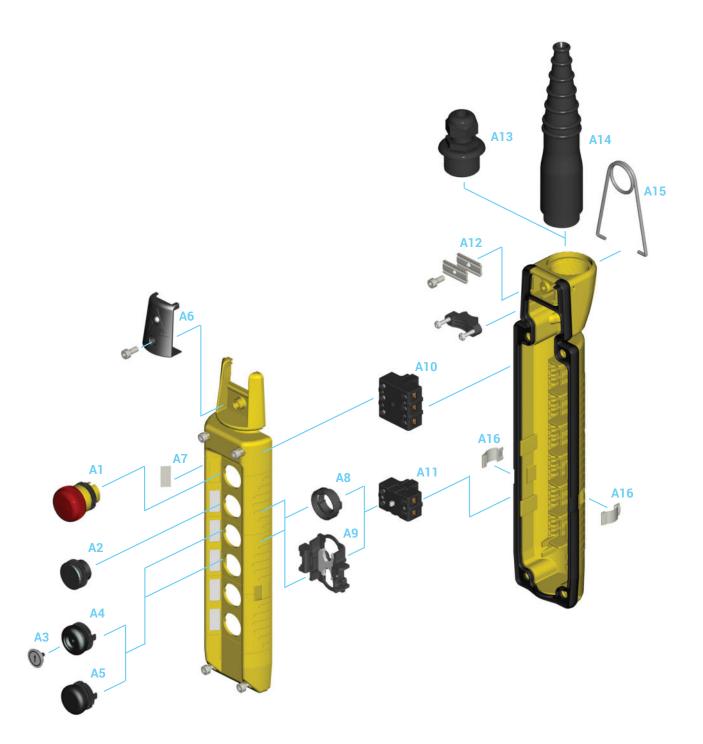
STANDARD CONTROL STATIONS

1 speed

F72AY00001	-72AY00001					
A	Latched mushroom pushbutton		No. 1 PRSL1902PI	11 21 31 1-4-4-4- 12 22 32		
	Blanking plug		-	-		
	No. 2 buttons mechanically	(1)	No. 1 PRSL1900PI	11 21 		
	interlocked	•	No. 1 PRSL1900PI	F-\\ -\\ -\\ -\\ 12 \ 22		

2 speeds

F72EY00001				_
	Latched mushroom pushbutton		No. 1 PRSL1902PI	11 21 31
A	Blanking plug		-	-
	No. 2 buttons mechanically	(1)	No. 1 PRSL1900PI	[-\frac{11}{1} \bigcolumn{2}{21} \\ -\frac{1}{1} \\ 12 \\ 22 \end{array}
	interlocked	•	No. 1 PRSL1900PI	[-\frac{11}{1} \frac{21}{1} \\ 12 \\ 22
	Blanking plug		-	-
	No. 1 button	(1)	No. 1 PRSL1900PI	[-\frac{11}{1} \cdot \frac{21}{1} \\ 12 \\ 22



See the following tables for description of components: "Switches", "Actuators", "Mushroom pushbuttons" and "Accessories".



COMPONENTS

Switches

Ref.	Drawing	Description	Scheme	Code
A10		1 speed three-pole 3NC switch for emergency mushroom pushbutton	E-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	PRSL1902PI
A11		1 speed two-pole 2NO switch	$\begin{bmatrix} -1 & 21 \\ 1 & 1 \end{bmatrix}$ $\begin{bmatrix} -1 & 21 \\ 1 & 22 \end{bmatrix}$	PRSL1900PI

Actuators

Ref.	Drawing	Description	Code
A2		Blanking plug	PRSL1845PI
A3	Ģ	Disk for pushbutton	PRTA See disk table
A4	96	1 speed pushbutton	PRSL1811PI
		1 speed black pushbutton	PRSL1806PI
A5	Ö	1 speed grey pushbutton	PRSL1807PI

Mushroom pushbuttons

Ref.	Drawing	Description	Code
A1		Latched mushroom pushbutton for emergency stop	PRSL1880PI

Accessories

Ref.	Drawing	Description	Code
		Cable cover with TER logo	PRSL1832PI
A6		Blank cable cover	PRSL1836PI
A7		Label sheet	Code on request
A8		Button-switch spacer	PRSL8512PI
A9		Mechanical interlock	PRSL1850PI
A12	*	Complete wire clamp	PRSL1896PI
A13		Cable clamp M20 with reduction	PRSL1910PI

Accessories

Ref.	Drawing	Description	Code
A14		Cable sleeve	PRSL0145PE
A15		Hook	PRGA0012PE
A16		Closing clip (only for 2 speed version)	PRTR1035PE

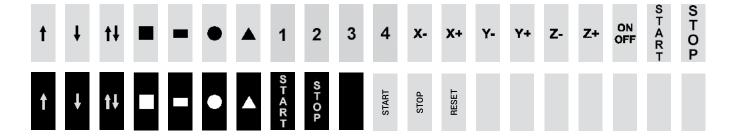
Disks



PRTA093MPI

Label sheet

PRTA096MPI PRTA095MPI PRTA094MPI



MIKE-D - REQUEST FORM FOR NON STANDARD PENDANT STATION

Instructions Hook Fill in the chart according to the type of the pendant station required (1 or 2 speeds). **Button disks**: for pushbuttons with disks enter the number corresponding to the disk required (10 to 23) according to Cable sleeve Cable clamp the legend. If you choose disks with arrows (legend 11 to 14), enter the direction of the arrow in the circle. Eg. Pushbuttons: tick the box corresponding to the type of Latched pushbutton required. mushroom Hook: tick the box at the top or at the bottom if the hook is pushbutton required. Eg. н**ж**к Cable sleeve and cable clamp: tick the box if the cable sleeve or the cable clamp are required. Eg. Sleve **Label sheet**: stickers with letterings or symbols may be placed Blanking on the left and on the right of any control element. If label sheets are required, tick the corresponding box. plug 2 **Button** Pushbutton with disk disk Legend - Button disks Grey pushbutton **Color and symbol disks for pushbuttons** Black pushbutton BLUE 22 16 10 13 19 **Button** GREEN ORANGE Pushbutton with disk disk 17 20 23 Grey pushbutton Black pushbutton 15 OPEN 18 21 Blanking plug **Button** Pushbutton with disk disk Grey pushbutton Black pushbutton Hook Label sheet **Remarks**