

# PS-Ex SERIES

## OVERVIEW

**PS-Ex series** pendant control stations range is suitable for all kinds of industry but are mainly used on overhead cranes and cranes.

The PS-Ex range is available with 4, 6 or 8 push buttons with up to three contact blocks per operator.

They are suitable in single- or dual-speed configurations.

Custom double PS assemblies can be delivered to provide 8, 12 or 16 way pendant control stations.

The PS-Ex series also features an optional double-step actuation mode for dual speed control.



















































## TECHNICAL DATA

<b>Material</b>	Glass-reinforced polyester (GRP)
<b>IP rating</b>	IP65 according to EN/IEC 60529
<b>Temperature range</b>	-20°C ... +60°C (without lighting functions) -20°C ... +50°C (with lighting functions)
<b>Certificate</b>	ATEX LOM 20ATEX1055X/1 IECEX LOM 20.0007X
<b>Marking</b>	II 2 G - Ex db eb IIC T6 Gb or Ex db eb mb IIC T6 Gb II 2 D - Ex tb IIIC T85°C Db - IP65
<b>Features of the contact block</b>	<b>AC</b> I <sub>N</sub> = 10 A U <sub>i</sub> = 415 V  U <sub>e</sub> = 380 V; I <sub>e</sub> = 1,9 A or U <sub>e</sub> = 240 V; I <sub>e</sub> = 3 A or U <sub>e</sub> = 120 V; I <sub>e</sub> = 6 A  <b>DC</b>  U <sub>e</sub> = 250 V; I <sub>e</sub> = 0,27 A or U <sub>e</sub> = 125 V; I <sub>e</sub> = 0,55 A or U <sub>e</sub> = 24 V; I <sub>e</sub> = 2,87 A
<b>Features of the LED pilot light</b>	
Rated voltage	24 ... 254 V AC/DC
Maximal current	2 ... 10 mA
<b>Mechanical endurance of the push buttons</b>	
Head	5 million operations
Contact block	1 million operations
<b>Cable entry</b>	For cable Ø 10 to Ø 22 mm
<b>Customized solution</b>	On request




















































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## COMPLETE PENDANT CONTROL STATIONS - SINGLE SPEED

PRODUCT CODE	NR. OF WAYS	COLOUR	SYMBOL	LABEL	ACTUATOR	CONTACT BLOCK	
<b>PS04EX</b>	4	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC	
		 White		Up	1 x Push button	1 NO	
		 Black		Down	1 x Push button	1 NO	
		 Black			1 x Blank plug		
<b>PS06EX</b>	6	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC	
		 White		Up	1 x Push button	1 NO	
		 Black		Down	1 x Push button	1 NO	
		 White		Right	1 x Push button	1 NO	
		 Black		Left	1 x Push button	1 NO	
		 Black			1 x Blank plug		
<b>PS08EX</b>	8	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC	
		 Green		Start	1 x Push button	1 NO	
		 White		Up	1 x Push button	1 NO	
		 Black		Down	1 x Push button	1 NO	
		 White		Right	1 x Push button	1 NO	
		 Black		Left	1 x Push button	1 NO	
		 White		Forward	1 x Push button	1 NO	
		 Black		Backward	1 x Push button	1 NO	

## COMPLETE PENDANT STATIONS - DOUBLE SPEED

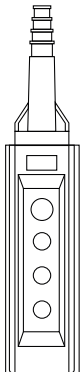
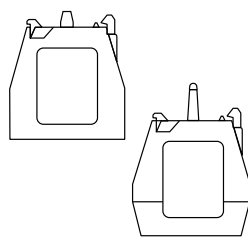
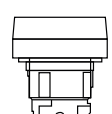




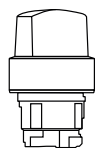


PRODUCT CODE	NR. OF WAYS	COLOUR	SYMBOL	LABEL	ACTUATOR	CONTACT BLOCK
<b>PS04D2EX</b>	4	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC 
		 White		Double Speed Up	1 x Push button	2 NO 
		 Black		Double Speed Down	1 x Push button	2 NO 
		 Black			1 x Blank plug	
<b>PS06D4EX</b>	6	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC 
		 White		Double Speed Up	1 x Push button	2 NO 
		 Black		Double Speed Down	1 x Push button	2 NO 
		 White		Double Speed Right	1 x Push button	2 NO 
		 Black		Double Speed Left	1 x Push button	2 NO 
		 Black			1 x Blank plug	
<b>PS08D6EX</b>	8	 Red		Emergency stop	1 x Mushroom, spring to return, Ø 40 mm	1 NC 
		 Green	I	Start	1 x Push button	1 NO 
		 White		Double Speed Up	1 x Push button	2 NO 
		 Black		Double Speed Down	1 x Push button	2 NO 
		 White		Double Speed Right	1 x Push button	2 NO 
		 Black		Double Speed Left	1 x Push button	2 NO 
		 White		Double Speed Forward	1 x Push button	2 NO 
		 Black		Double Speed Backward	1 x Push button	2 NO 

## ACCESORIES AND SPARE PARTS

The range of pendant control stations of the **PS-Ex series** provides the possibility of customizing the product upon customer application request.

Add-ons, accessories and spare parts are available that can create different configurations and meet the most diverse needs.

This flyer does not include the codes of these individual added components, will be requested and evaluated together with the sales representative and our technical department.

	TYPE	FUNCTION
	Empty pendant control station	4 buttons
		6 buttons
		8 buttons
	Slow break contact element (single speed, double speed, lampholder with build-in led)	1NO - 2NO
		1NC
	Complete booted push button operator	 Red
		 Green
		 White
		 Black
	Selector switch + contact	 Black - 2 fixed positions
		 Black - 3 fixed positions

## PUSH BUTTON SYMBOLOGY

### ARROW FOR SINGLE STEP PUSH BUTTON

SYMBOL	FUNCTION
↑	Up
↓	Down
→	Right
←	Left
↗	Forward
↖	Backward
↑↑	Fast Up
↓↓	Fast Down
⇒	Fast Right
⇐	Fast Left
↗↗	Fast Forward
↖↖	Fast Backward
	I
	O
	O - 1
	I - II
	I - O - II
STOP	Emergency Stop

### ARROW FOR DOUBLE STEP PUSH BUTTON

SYMBOL	FUNCTION
▲▲	Double Speed Up
▼▼	Double Speed Down
▶▶	Double Speed Right
◀◀	Double Speed Left
↗↗	Double Speed Forward
↖↖	Double Speed Backward



Buttons are always accompanied by the symbolism on the nameplates or labels below.

Nameplates and labels can be customised on request and will each describe the functionality related to the individual button.