## Control and signaling units for safety applications

Harmony<sup>®</sup> XPE foot switches

Catalog







### **General contents**

#### Harmony® XPE foot switches

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## Control and signaling units for safety applications

Foot switches, Harmony type XPE



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## Control and signaling units for safety applications

Foot switches, Harmony type XPE



Normal stop instructions











Never use the protective cover nor the trigger mechanism for this type of application. Access to the stop control must be as unrestricted as possible and without any constraints.

For machine stop instructions, use the N/C contact(s).



#### General (continued)

## Control and signaling units for safety applications

Foot switches, Harmony type XPE



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#### General (continued)

## Control and signaling units for safety applications

Foot switches, Harmony type XPE

Foot switches XPE can be mounted directly on the baseplate (without drilling additional fixing holes) of the pedestal XY2SB90 for two-hand control stations XY2SB7•.

#### Foot switches used in conjunction with two-hand control stations



The baseplate of the two-hand control station pedestal **XY2SB90** is pre-drilled with fixing holes to suit the mounting of either:

One XPE foot switch, with or without protective cover.

Two XPER foot switches, each with its own protective cover or fitted with a common (double) cover.

#### Ergonomic

The protective cover is very strong and is sufficiently dimensioned to accommodate all types of footwear (large size, safety boots, etc.).



The foot switch is designed such that the operating pedal is close to the ground and at a comfortable angle.

Various accessories improve the working comfort for machine operators and help to avoid discomfort in the base of the spine due to unbalanced positioning of the pelvis:

- Heel rest (metal XPE).
- Hand grip for mounting on protective cover.







## **Control and signaling units for safety applications** Metal foot switches, Harmony types XPEM/R

	Single and double	pedal foc	ot switches wit	h protective	cover	(1)	
521348	Description	Pedal	Contact operat	ion	Color	Reference	Weight kg/ <i>lb</i>
	Metal With trigger mechanism	Single	1 step	1 N/C + N/O	Blue	XPEM510	2.570/5.666
	requiring positive action	Double	1 step	2 x 1 N/C + N/O	Blue	XPEM5100D	6.070/13.382
	to allow pedal operation	Single	1 step	1 N/C + N/O	Orange	XPER510	2.570/5.666
XPEM510		Double	1 step	2 x 1 N/C + N/O	Orange	XPER5100D	6.070/13.382
		Single	1 step	2 N/C + N/O	Blue	XPEM511	2.590/5.710
1350		Double	1 step	2 x 2 N/C + N/O	Blue	XPEM5110D	6.090/13.426
		Single	1 step	2 N/C + N/O	Orange	XPER511	2.590/5.710
		Double	1 step	2 x 2 N/C + N/O	Orange	XPER5110D	6.090/13.426
		Single	2 step	2 N/C + N/O	<u>Blue</u> Orange	XPEM711 XPER711	2.590/5.710 2.590/5.710
XPER5100D		Single	1 step with	2 N/C + N/O	Blue	XPEM529	2.600/5.372
			analog output		Orange	XPER529	2.600/5.372
221347	Metal Without trigger mechanism	Single	1 step	1 N/C + N/O	Blue	XPEM310	2.400/5.291
	Without trigger meentamism	Double	1 step	2 x 1 N/C + N/O	Blue	XPEM3100D	5.900/13.007
		Single	1 step	1 N/C + N/O	Orange	XPER310	2.400/5.291
A TOTAL		Double	1 step	2 x 1 N/C + N/O	Orange	XPER3100D	5.900/13.007
XPEM310		Single	1 step	2 N/C + N/O	Blue	XPEM311	2.420/5.335
		Double	1 step	2 x 2 N/C + N/O	Blue	XPEM3110D	5.920/13.051
2	1	Single	1 step	2 N/C + N/O	Orange	XPER311	2.420/5.335
Ž		Double	1 step	2 x 2 N/C + N/O	Orange	XPER3110D	5.920/13.051
		Single	1 step latching	1 N/C + N/O	Blue	XPEM410	2.400/5.291
					Orange	XPER410	2.420/5.335
		Single	2 step	2 N/C + N/O	<u>Blue</u> Orange	XPEM611 XPER611	<u>2.420/5.335</u> 2.420/5.335
XPER3100D		Single	1 step with	2 N/C + N/O	Blue	XPEM329	2.420/5.335
		Double	analog output 2 step + 1 step	2 x 1 N/C + N/O + 1 N/C + N/O	Blue	XPEM6210D	5.900/13.007
	Foot switches with		octivo covor (1)				
			ration		Color	Reference	Weight
	Description	oontdet ope	interiori		00101	Reference	kg/lb
4	Metal With trigger mechanism	1 step	1 N/C + N/O		Blue	XPEM810	1.200/2.646
G	with trigger mechanism requiring positive action to allow pedal operation				Orange	XPER810	1.200/2.646
a la			2 N/C + N/O		Blue	XPEM811	1.220/2.690
and the second s					Orange	XPER811	1.220/2.690
XPER810		2 step	2 N/C + N/O		Blue	XPEM911	1.220/2.690
					Orange	XPER911	1.220/2.690



Metal

Without trigger mechanism

XPEM110

Analog output 2 N/C + N/O Orange XPER229 (1) "TC" protective treatment as standard version. To obtain a "TH" treatment, contact our Customer Care Center. (2) To order an ATEX D version of the product (protection against dust), add EX to the end of the reference. Example: XPEM110EX.

2 N/C + N/O

1 N/C + N/O

2 N/C + N/O

2 N/C + N/O

General: page 4

Analog output

1 step

2 step

mailbox@sentronic.com www.sentronic.com

Blue

Blue

Blue

Blue

Orange

Orange

Orange

Orange

XPEM929

XPER929

XPEM110 (2)

XPER110 (2)

**XPEM111** (2)

XPER111 (2)

XPEM211 (2)

XPER211 (2)

1.220/2.690

1.220/2.690

1.200/2.646

1.200/2.646

1.220/2.690

1.220/2.690

1.220/2.690

1.220/2.690

1.220/2.690

#### References

# **Control and signaling units for safety applications** Plastic foot switches, Harmony types XPEA/B/G/Y Accessories for XPEA/B/G/Y and XPEM/R

Contact operation		Housing	Reference	Weight
Contac	operation	color	Reference	kg/lb
1 step	1 N/C + N/O	Yellow	XPEY510 (2)	0.700/1.543
		Blue	XPEB510	0.700/1.543
		Grey	XPEG510	0.700/1.543
	2 N/C + N/O	Yellow	XPEY511 (2)	0.700/1.543
		Blue	XPEB511	0.700/1.543
		Grey	XPEG511	0.700/1.543
2 step	2 N/C + N/O	Yellow	XPEY711 (2)	0.700/1.543
		Blue	XPEB711	0.700/1.543
		Grey	XPEG711	0.700/1.543
1 step	1 N/C + N/O	Yellow	XPEY310	0.690/1.521
		Blue	XPEB310	0.690/1.521
		Grey	XPEG310	0.690/1.521
	2 N/C + N/O	Yellow	XPEY311 (2)	0.690/1.521
		Blue	XPEB311	0.690/1.521
		Grey	XPEG311	0.690/1.521
2 step	2 N/C + N/O	Yellow	XPEY611 (2)	0.690/1.521
= 0.0p				
2 otop		Blue	XPEB611	0.690/1.521
	Contact 1 step 2 step 1 step	Contact operation       1 step     1 N/C + N/O       2 N/C + N/O       2 step     2 N/C + N/O       1 step     1 N/C + N/O       2 step     2 N/C + N/O       2 n/C + N/O     2 N/C + N/O	Contact operation Housing color   1 step 1 N/C + N/O Yellow   1 step 1 N/C + N/O Yellow   2 N/C + N/O Yellow   Blue Grey   2 step 2 N/C + N/O Yellow   Blue Grey   2 step 2 N/C + N/O Yellow   Blue Grey   1 step 1 N/C + N/O Yellow   Blue Grey   2 N/C + N/O Yellow   Blue Grey   2 N/C + N/O Yellow   Blue Grey	Contact operation     Housing color     Reference color       1 step     1 N/C + N/O     Yellow     XPEY510 (2)       Blue     XPEB510     Grey     XPEG510       2 N/C + N/O     Yellow     XPES11 (2)       Blue     XPEB511     Grey     XPEG511       2 step     2 N/C + N/O     Yellow     XPES11 (2)       Blue     XPEG511     Grey     XPEG511       2 step     2 N/C + N/O     Yellow     XPET711 (2)       Blue     XPEB711     Grey     XPEG711       1 step     1 N/C + N/O     Yellow     XPES310       Grey     XPEG310     Grey     XPEG310       2 N/C + N/O     Yellow     XPE311 (2)     Blue     XPE311       3 lue     XPE311     Grey     XPE311     Grey     XPE311       2 N/C + N/O     Yellow     XPE311     Grey     XPE311

Foot switches wit	hout p	rotective o	:over (1)			
Description	Contact operation		Housing color	Reference	Weight kg/ <i>lb</i>	
Plastic	1 step	1 N/C + N/O	Grey	XPEG810	0.580/1.279	
requiring positive action to allow pedal operation	2 step	2 N/C + N/O	Grey	XPEG911	0.580/1.279	
Plastic	1 step	1 N/C + N/O	Yellow	XPEY110 (2)	0.570/1.257	
Without trigger			Blue	XPEB110	0.570/1.257	
mechanism			Grey	XPEG110	0.570/1.257	
			Black	XPEA110	0.275/0.606	
		2 N/C + N/O	Blue	XPEB111	0.570/1.257	
			Grey	XPEG111	0.570/1.257	
			Black	XPEA111	0.275/0.606	
	2 step	2 N/C + N/O	Yellow	XPEY211 (2)	0.570/1.257	
			Blue	XPEB211	0.570/1.257	
			Grey	XPEG211	0.570/1.257	

Accessories					
For foot switches type	XPEA/B/G/Y				
Description	For use with	Reference	Weight kg/lb 12 0.014/0.031		
M20 x 1.5 cable gland	Cable Ø 510 mm/Ø 0.200.39 in.	DE9RA200612	0.014/0.031		
(Sold in lots of 5)	Cable Ø 713 mm/Ø 0.280.51 in.	DE9RA201014	0.014/0.031		
Contact blocks, snap action	1 or 2 step switches	XE2SP4151	0.020/0.044		
For foot switches type	XPE M/R				
Single protective cover	XPEM	XPEZ901	1.200/2.646		
(3)	XPER	XPEZ911	1.200/2.646		
Double protective cover	XPEM	XPEZ921	1.200/2.646		
(3)	XPER	XPEZ931	1.200/2.646		
Hand grip for protective cover	XPEZ901 or Z911	XPEZ913	0.450/0.992		
Heel rest	XPEM	XPEZ902	0.240/0.529		
	XPER	XPEZ912	0.240/0.529		
Trigger mechanism	XPEM or XPER	XPEZ903	0.170/0.375		
Latching device	XPEM or XPER (replacement for foot switches with this feature)	XPEZ904	0.170/0.375		
Cable clamp	XPEM or XPER	XPEZ905	0.010/0.022		
Contact blocks Snap action	1 step switches: 1 <sup>st</sup> or 2 <sup>nd</sup> N/C + N/O 2 step switches: 1 <sup>st</sup> N/C +N/O	XE2SP4151	0.020/0.044		
	2 step switches: 2 <sup>nd</sup> N/C + N/O	XE2SP4151B	0.020/0.044		
ISO M20 adaptor (Sold in lots of 5)	XPEM or XPER	DE9RA1620	0.050/0.110		
(1) "TH" protective treatment	t as standard version				

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XPE•510



XPE•310



XPEG810



XPE•110



XPEA110





XPEZ902





XE2SP4151

(2) IP 55, not UL, CSA approved.