

XPSCM1144

module XPS-CM - single-beam photo-electric sensors - 24 V DC



Main

Range of product	Preventa Safety detection
Product or component type	Safety module
Safety module name	XPSCM
Safety module application	For monitoring of single beam photo-electric sensor
Function of module	Built-in muting
Safety level	Can reach category 2 with the appropriate control system and correctly wired EN/ISO 13849-1 Can reach SILCL 1 with the appropriate control system and correctly wired EN/IEC 62061 Can reach PL = c with the appropriate control system and correctly wired EN/ISO 13849-1
Safety reliability data	MTTFd = 16.6 years EN/ISO 13849-1 DC = 95.5 % EN/ISO 13849-1 PFH = 3.12E-7 1/h EN/IEC 61508 PFHd = 3.12E-7 1/h EN/IEC 62061
Number of inputs	2 MA, MB)muting function 4 Z1, Z2, Z3, Z4)sensor
Input voltage	24 V DCsensor 24 V DC U+, U-)muting function
Input compatibility	XC limit switch muting function XU2M18PP340... muting function XU2S18PP340... (infrared) sensor XU9M18PP340... muting function
Connections - terminals	Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm ² solid or flexible without cable end Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm ² flexible with cable end, with bezel Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm ² solid or flexible without cable end Captive screw clamp terminals, 2 x 0.25...2 x 1 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm ² flexible with cable end, with double bezel
Output type	Relay 2 NO 13-14, 23-24), volt-free
Number of additional circuits	0
[Us] rated supply voltage	24 V DC - 20...20 %

Complementary

Sensor power supply	U+, U- 24 V DC
Maximum supply current for sensors	200 mA
Input current	200 mA muting function
Synchronisation time between inputs	3 s +/- 20 %) for the activation of the MA/MB muting signal
Muting maximum duration	60 s - 10...30 %)
Maximum line resistance	10 Ohm sensor power supply
Breaking capacity	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output
Breaking capacity	20 MA 24 V solid state output 1.5 A 24 V DC-13)50 ms relay output

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Associated fuse rating	4 A gG relay output DIN VDE 0660 part 200 4 A gG relay output EN/IEC 60947-5-1 6 A fast blow relay output DIN VDE 0660 part 200 6 A fast blow relay output EN/IEC 60947-5-1
Minimum output current	10 mA relay output
Minimum output voltage	17 V relay output
Maximum response time on input open	25 ms
Local signalling	1 LED electronic internal fuse status 1 LED restarting 1 LED safety outputs closed 1 LED safety outputs open 1 incandescent lamp muting 4...6.5 W
Output thermal current	5.6 A per relay 11 A maximum
Maximum power consumption in W	15 W
Protection type	Electronic internal fuse
[Ui] rated insulation voltage	300 V 2)DIN VDE 0110 parts 1 and 2 300 V 2)EN/IEC 60947-5-1
[Uimp] rated impulse withstand voltage	4 kV III DIN VDE 0110 parts 1 and 2 4 kV III EN/IEC 60947-5-1

Environment

Ambient air temperature for operation	14...131 °F (-10...55 °C)
Ambient air temperature for storage	-13...185 °F (-25...85 °C)
IP degree of protection	IP20 IEC 60529 terminals) IP40 IEC 60529 enclosure)

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	03389110274127
Nbr. of units in pkg.	1
Package weight(Lbs)	0.77 lb(US) (0.35 kg)
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	4.57 in (11.6 cm)
Package 1 Length	6.30 in (16 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	18.88 lb(US) (8.564 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions

