Product datasheet

Specifications

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

Local distributor code:

407169492 XPSCM1144P

EAN Code: 3389110274134

Main

Range Of Product	Telemecanique Safety light curtains XUSL
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 conforming to EN/ISO 13849-1 Can reach SILCL 1 with the appropriate control system and correctly wired conforming to EN/IEC 62061 Can reach PL = c with the appropriate control system and correctly wired conforming to EN/ISO 13849-1
Safety Reliability Data	MTTFd = 16.6 years conforming to EN/ISO 13849-1 DC = 95.5 % conforming to EN/ISO 13849-1 PFH = 3.12E-7 1/h conforming to EN/IEC 61508 PFHd = 3.12E-7 1/h conforming to EN/IEC 62061
Number Of Inputs	2 (terminal(s) MA, MB) for muting function 4 (terminal(s) Z1, Z2, Z3, Z4) for sensor
Input Voltage	24 V DC for sensor 24 V DC (terminal(s) U+, U-) for muting function
Input Compatibility	XC limit switch for muting function XU2M18PP340... for muting function XU2S18PP340... (infrared) for sensor XU9M18PP340... for muting function
Connections - Terminals	Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm² solid or flexible without cable end Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm² flexible with cable end, with bezel Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm² flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1 mm² solid without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1.5 mm² flexible without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.25...2 x 1 mm² flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 2 x 0.5...2 x 1.5 mm² 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Input Current	200 mA for 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 for 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 at 24 V for solid state output 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Associated Fuse Rating	4 A gG for relay output conforming to DIN VDE 0660 part 200 4 A gG for relay output conforming to EN/IEC 60947-5-1 6 A fast blow for relay output conforming to DIN VDE 0660 part 200 6 A fast blow for relay output conforming to EN/IEC 60947-5-1
Minimum Output Current	10 mA for relay output
Minimum Output Voltage	17 V for relay output
Maximum Response Time On Input Open	25 ms
Local Signalling	1 LED, function electronic internal fuse status 1 LED, function restarting 1 LED, function safety outputs closed 1 LED, function safety outputs open 1 incandescent lamp, function muting power consumption: 4…6.5 W
Output Thermal Current	5.6 A per relay 11 A maximum
Power Consumption In W	15 W
Protection Type	Electronic internal fuse
[Ui] Rated Insulation Voltage	300 V (pollution degree 2) conforming to DIN VDE 0110 parts 1 and 2 300 V (pollution degree 2) conforming to EN/IEC 60947-5-1
[Uimp] Rated Impulse Withstand Voltage	4 kV overvoltage category III conforming to DIN VDE 0110 parts 1 and 2 4 kV overvoltage category III conforming to EN/IEC 60947-5-1

Environment

Ambient Air Temperature For Operation	-10…55 °C
Ambient Air Temperature For Storage	-25…85 °C
Ip Degree Of Protection	IP20 (terminals) conforming to IEC 60529 IP40 (enclosure) conforming to IEC 60529

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16 cm
Package 1 Width	6.2 cm
Package 1 Length	11.8 cm
Package 1 Weight	411 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	20
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm

Package 2 Weight	8.918 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

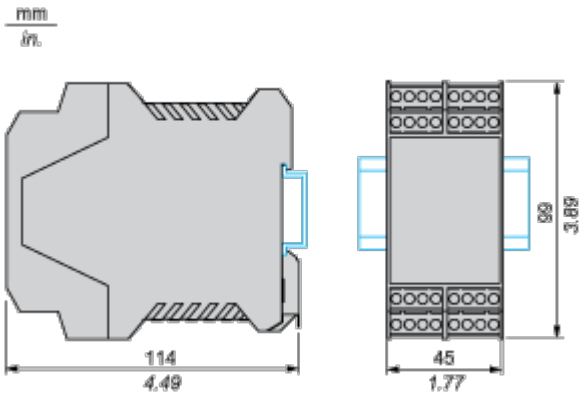
Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions