

XPSCM1144

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

Product availability: Non-Stock - Not normally stocked in distribution facility



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 conforming to EN/ISO 13849-1 with the appropriate control system and correctly wired Can reach SILCL 1 conforming to EN/IEC 62061 with the appropriate control system and correctly wired Can reach PL = c conforming to EN/ISO 13849-1 with the appropriate control system and correctly wired
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) muting function 4 (terminal(s) Z1, Z2, Z3, Z4) sensor
Input voltage	24 V DC (terminal(s) U+, U-) muting function 24 V DC sensor
Input compatibility	XC limit switch muting function XU2M18PP340... muting function XU2S18PP340... (infrared) sensor XU9M18PP340... muting function
Connections - terminals	Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, without bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm ² flexible cable with cable end, with bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, without bezel Captive screw clamp terminals, clamping capacity: 2 x 0.5...2 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² solid or flexible cable without cable end Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² solid or flexible cable without cable end
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	24 V DC (terminal(s) U+, U-)
Supply current for sensors	< 200 mA
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 %)

Line resistance	<= 10 Ohm for sensor power supply
Breaking capacity	C300: holding 180 VA AC-15 relay output C300: inrush 1800 VA AC-15 relay output
Breaking capacity	1.5 A/24 V - L/R = 50 ms, DC-13 relay output 20 mA/24 V for solid state 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 relay output
Minimum output voltage	17 V relay output
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, degree of pollution 2 conforming to EN/IEC 60947-5-1 300 V, degree of pollution 2 conforming to DIN VDE 0110 parts 1 and 2
[Uimp] rated impulse withstand voltage	4 kV overvoltage category III, conforming to EN/IEC 60947-5-1 4 kV overvoltage category III, conforming to DIN VDE 0110 parts 1 and 2

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(Terminals) conforming to IEC 60529 IP40(enclosure) conforming to IEC 60529

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	003389110274127
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7700000000000002
Returnability	N
Country of origin	ID

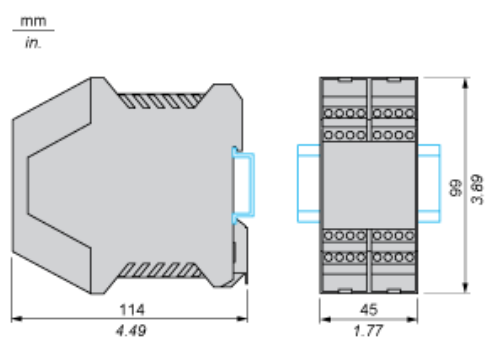
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Dimensions



Mouser Electronics

Authorized Distributor

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