

# Product data sheet

Specifications



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

XPSCM1144P

**Product availability : Stock - Normally stocked in distribution facility**

### Main

<b>Range of Product</b>	Telemecanique Safety light curtains XUSL
<b>Product or Component Type</b>	Safety module
<b>Safety module name</b>	XPSCM
<b>Safety module application</b>	For monitoring of single beam photo-electric sensor
<b>Function of module</b>	Built-in muting
<b>Safety level</b>	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
<b>Safety reliability data</b>	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
<b>Number of inputs</b>	2 MA, MB)muting function 4 Z1, Z2, Z3, Z4)sensor
<b>Input voltage</b>	24 V DCsensor 24 V DC U+, U-)muting function
<b>Input compatibility</b>	XC limit switch muting function XU2M18PP340... muting function XU2S18PP340... (infrared) sensor XU9M18PP340... muting function
<b>Connections - terminals</b>	Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm <sup>2</sup> solid or flexible without cable end Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, with bezel Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1 mm <sup>2</sup> solid without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1.5 mm <sup>2</sup> flexible without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.25...2 x 1 mm <sup>2</sup> flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible with cable end, with double bezel
<b>Output type</b>	Relay 2 NO 13-14, 23-24), volt-free
<b>Number of additional circuits</b>	0
<b>[Us] Rated Supply Voltage</b>	24 V DC - 20...20 %

### Complementary

<b>Sensor power supply</b>	U+, U- 24 V DC
<b>Maximum supply current for sensors</b>	200 mA

<b>Input current</b>	200 mA muting function
<b>Synchronisation time between inputs</b>	3 s +/- 20 %) for the activation of the MA/MB muting signal
<b>Muting maximum duration</b>	60 s - 10...30 %)
<b>Maximum line resistance</b>	10 Ohm sensor power supply
<b>Breaking capacity</b>	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output  20 mA 24 V solid state output 1.5 A 24 V DC-13)50 ms relay output
<b>Associated fuse rating</b>	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
<b>Minimum output current</b>	10 mA relay output
<b>Minimum output voltage</b>	17 V relay output
<b>Maximum response time on input open</b>	25 ms
<b>Local signalling</b>	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
<b>Output thermal current</b>	5.6 A per relay 11 A maximum
<b>Power Consumption in W</b>	15 W
<b>Protection Type</b>	Electronic internal fuse
<b>[Ui] rated insulation voltage</b>	300 V 2)DIN VDE 0110 parts 1 and 2 300 V 2)EN/IEC 60947-5-1
<b>[Uimp] rated impulse withstand voltage</b>	4 kV III DIN VDE 0110 parts 1 and 2 4 kV III EN/IEC 60947-5-1

## Environment

<b>Ambient Air Temperature for Operation</b>	14...131 °F (-10...55 °C)
<b>Ambient Air Temperature for Storage</b>	-13...185 °F (-25...85 °C)
<b>IP degree of protection</b>	IP20 IEC 60529 terminals) IP40 IEC 60529 enclosure)

## Ordering and shipping details

<b>Category</b>	22477-SAFETY MODULES (PREVENTA)
<b>Discount Schedule</b>	SAF2
<b>GTIN</b>	3389110274134
<b>Returnability</b>	No
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.30 in (16 cm)
<b>Package 1 Width</b>	2.44 in (6.2 cm)
<b>Package 1 Length</b>	4.65 in (11.8 cm)
<b>Package 1 Weight</b>	14.50 oz (411 g)

<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	20
<b>Package 2 Height</b>	11.81 in (30 cm)
<b>Package 2 Width</b>	11.81 in (30 cm)
<b>Package 2 Length</b>	15.75 in (40 cm)
<b>Package 2 Weight</b>	19.66 lb(US) (8.918 kg)

## Offer Sustainability

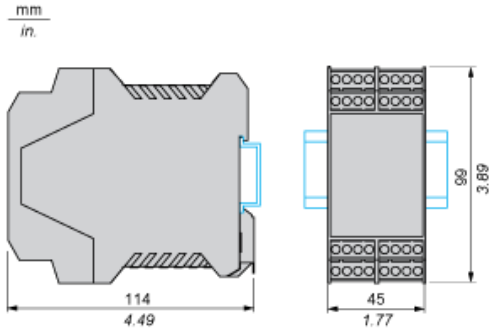
<b>Sustainable offer status</b>	Green Premium product
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
<b>PVC free</b>	Yes

## Contractual warranty

<b>Warranty</b>	18 months
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**Dimensions**

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**Recommended replacement(s)**