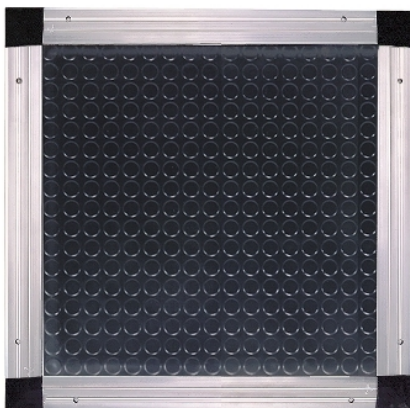


## Product data sheet

### Characteristics

## XY2TP1

safety mat - Preventa XY2 - 500 mm x 500 mm  
- for XY2TP



### Main

Range of product	Preventa XY2
Product or component type	Safety mat
Component name	XY2TP
Length	500 mm
Width	500 mm
Electrical connection	1 female connector, clamping capacity: 2 x 0.5 mm <sup>2</sup> 1 male connector, clamping capacity: 2 x 0.5 mm <sup>2</sup>
Minimum safety mats sensitivity	20 Kg single mat 35 kg group of mats
Material	NBR
Cover finish	Pelleted
Contacts type and composition	1 NO
Resistance to chemical agents	Acetone at 23 °C Alkaline washing water at 23 °C Ammonia at 23 °C Caustic potassium solution at 23 °C Citric acid at 23 °C Greases at 23 °C Hydrochloric acid, 10 % solution at 23 °C Incandescent materials at 23 °C Limited resistance to acetic acid at 23 °C Limited resistance to brake fluid at 23 °C Limited resistance to cutting compound at 23 °C Limited resistance to methyl alcohol at 23 °C Limited resistance to nitrated solution at 23 °C Limited resistance to sodium hydroxide at 23 °C Limited resistance to stamping oil at 23 °C Methylated spirits at 23 °C Oil, ASTM No 1/2/3 at 23 °C Petrol at 23 °C Ultraviolet rays at 23 °C Water at 23 °C

### Complementary

Thickness	11 mm
Cable length	0.1 m
Cable outer diameter	8 mm
Cable insulation material	PUR
Safety level	Can reach category 3 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = d with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 2 with the appropriate monitoring system and correctly wired conforming to IEC 61508
Safety reliability data	PFH = 2.17E-8 1/h conforming to IEC 61508
[Ue] rated operational voltage	30 V
Supply circuit type	DC
[In] rated current	0.1 A
Contacts material	Aluminium
Contact resistance	5000000 µOhm
Insulation resistance	10 MOhm, open contact(s)

Response time	20 ms
Mechanical durability	1000000 cycles
Maximum pressure	2000 N/cm <sup>2</sup>
Compression	5 tons maximum
[Uimp] rated impulse withstand voltage	6 KV conforming to EN/IEC 60664 6 kV conforming to EN/IEC 60947-1
Tensile strength	7 N/mm <sup>2</sup>
Resistance to friction	120 mg
Number of mats per safety module	<= 10
Hardness	70 +/- 5 shore A
Percent elongation	250 %
Flame retardance	B2
Net weight	4.4 kg

## Environment

Standards	EN/IEC 60947-5-1 UL 508 EN 1760-1 CSA C22.2 No 14 EN 954-1 category 3 ISO 13856-1
Product certifications	cULus
Ambient air temperature for operation	5...55 °C
Ambient air temperature for storage	-20...70 °C
Electrical shock protection class	Class III conforming to EN/IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

## Contractual warranty

Warranty	18 months
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