



ⓘ Discontinued

### Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSBA
Safety module application	For electrical monitoring of two-hand control stations
Function of module	Monitoring two-hand control station
Safety level	Can reach PL c/category 1 conforming to EN/ISO 13849-1
Safety reliability data	MTTFd = 160.8 years conforming to EN/ISO 13849-1 PFHd = 7.1E-7 1/h conforming to EN/IEC 62061
Connections - terminals	Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible without cable end Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid without cable end Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible with cable end, with bezel Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible without cable end Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid without cable end Captive screw clamp terminals, 2 x 0.25...2 x 1 mm <sup>2</sup> flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible with cable end, with double bezel
Output type	Relay, 1 NO circuit(s), volt-free
Number of additional circuits	1 NC
[Us] rated supply voltage	24 V AC - 20...10 % 24 V DC - 20...20 %

### Complementary

Synchronisation time between inputs	0.5 s
Supply frequency	50/60 Hz
Maximum power consumption in VA	20 VA
Input protection type	Internal, electronic
Number of inputs	1 NC + NO
Input voltage	18 V
Input current	30 mA
Input compatibility	Two-hand control conforming to EN 574/ISO 13851-III A
[Uc] control circuit voltage	24 V DC
Breaking capacity	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output
Breaking capacity	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output

[I <sub>th</sub> ] conventional free air thermal current	5 A
Associated fuse rating	4 A gG for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200
Minimum output current	10 mA for relay output
Minimum output voltage	17 V for relay output
Maximum response time on input open	25 ms
[U <sub>i</sub> ] rated insulation voltage	300 V (pollution degree 2) conforming to IEC 60947-5-1 300 V (pollution degree 2) conforming to DIN VDE 0110 part 1
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV overvoltage category III conforming to IEC 60947-5-1 4 kV overvoltage category III conforming to DIN VDE 0110 part 1
Local signalling	2 LEDs
Mounting support	35 mm symmetrical DIN rail
Net weight	0.2 kg

## Environment

Standards	EN/IEC 60947-5-1 EN 574 type III A/ISO 13851 EN/IEC 60204-1
Product certifications	CSA UL TÜV
IP degree of protection	IP20 (terminals) conforming to EN/IEC 60529 IP40 (enclosure) conforming to EN/IEC 60529
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...85 °C

## Packing Units

Package 1 Weight	0.164 kg
Package 1 Height	0.300 dm
Package 1 width	1.300 dm
Package 1 Length	0.850 dm

## Contractual warranty

Warranty	18 months
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