

# Product datasheet

Specifications



## module XPSBA - two-hand control - 24 V AC DC

XPSBA5120

⚠ Discontinued

XPSBA5120 has not been replaced. Please contact your customer care centre for more information.

### 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
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

<b>Breaking capacity</b>	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
<b>[I<sub>th</sub>] conventional free air thermal current</b>	5 A
<b>Associated fuse rating</b>	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
<b>Minimum output current</b>	10 mA for relay output
<b>Minimum output voltage</b>	17 V for relay output
<b>Maximum response time on input open</b>	25 ms
<b>[U<sub>i</sub>] rated insulation voltage</b>	300 V (pollution degree 2) conforming to IEC 60947-5-1 300 V (pollution degree 2) conforming to DIN VDE 0110 part 1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	4 kV overvoltage category III conforming to IEC 60947-5-1 4 kV overvoltage category III conforming to DIN VDE 0110 part 1
<b>Local signalling</b>	2 LEDs
<b>Mounting support</b>	35 mm symmetrical DIN rail
<b>Net weight</b>	0.2 kg

## Environment

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

## Packing Units

<b>Package 1 Weight</b>	0.164 kg
<b>Package 1 Height</b>	0.300 dm
<b>Package 1 width</b>	1.300 dm
<b>Package 1 Length</b>	0.850 dm

## Contractual warranty

<b>Warranty</b>	18 months
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