

Product datasheet

Specifications



module XPSBA - two-hand control - 230 V AC

XPSBA3720

⚠ Discontinued

XPSBA3720 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 ² flexible without cable end Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm ² solid without cable end Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm ² flexible with cable end, with bezel Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm ² flexible without cable end Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm ² solid without cable end Captive screw clamp terminals, 2 x 0.25...2 x 1 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm ² 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	230 V AC - 15...10 %

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

Breaking capacity	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
[I_{th}] 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_i] 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_{imp}] 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 60204-1 EN/IEC 60947-5-1 EN 574 type III A/ISO 13851
Product certifications	TÜV UL CSA
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	0.175 kg
Package 1 Height	0.310 dm
Package 1 width	0.850 dm
Package 1 Length	1.250 dm

Contractual warranty

Warranty	18 months
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