

Product datasheet

Specifications



module XPSBC - two-hand control - 24 V DC

XPSBC1110

⚠ Discontinued

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSBC
Safety module application	For electrical monitoring of two-hand control stations
Function of module	Monitoring two-hand control station
Safety level	Can reach PL e/category 4 conforming to EN/ISO 13849-1
Safety reliability data	MTTFd = 63.9 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 PFHd = 1.75E-8 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, 2 NO circuit(s), volt-free
Number of additional circuits	1 NC
[Us] rated supply voltage	24 V DC - 20...10 %

Complementary

Synchronisation time between inputs	0.5 s
Supply frequency	50/60 Hz
Power consumption in VA	6 VA
Input protection type	Internal, electronic
Number of inputs	1 NC + NO
Input voltage	18 V
Input current	140 mA
Input compatibility	Two-hand control conforming to EN 574/ISO 13851-III C
[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	2.5 A
Associated fuse rating	4 A gG 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	30 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	3 LEDs
Mounting support	35 mm symmetrical DIN rail
Net weight	0.4 kg

Environment

Standards	EN/IEC 60947-5-1 EN 574 type III C/ISO 13851 EN/IEC 60204-1
Product certifications	TÜV CSA UL
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	0.334 kg
Package 1 Height	0.630 dm
Package 1 width	1.300 dm
Package 1 Length	0.830 dm

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

XPSBC1110 is replaced by:

1x



Preventa module Cat.4 features 2*XPSUAF + enabling movement 24vac/dc screw
XPSUS12AP