



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSBF
Safety module application	For electrical monitoring of two-hand control stations
Function of module	Monitoring two-hand control station and a foot switch
Safety level	Can reach PL e/category 4 conforming to EN/ISO 13849-1 Can reach SILCL 3 conforming to EN/IEC 62061
Safety reliability data	DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 50.1 years conforming to EN/ISO 13849-1 PFHd = 1.3E-8 1/h conforming to EN/IEC 62061
Connections - terminals	Captive screw clamp terminals, removable terminal block, 1 x 0.14...1 x 2.5 mm ² flexible without cable end Captive screw clamp terminals, removable terminal block, 1 x 0.14...1 x 2.5 mm ² solid without cable end Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 1.5 mm ² flexible with cable end, with bezel Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm ² flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 2 x 0.14...2 x 0.75 mm ² flexible without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.14...2 x 0.75 mm ² solid without cable end Captive screw clamp terminals, removable terminal block, 2 x 0.25...2 x 1 mm ² flexible with cable end, without bezel Captive screw clamp terminals, removable terminal block, 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	2 solid state outputs
[Us] rated supply voltage	24 V DC - 20...20 %

Complementary

Synchronisation time between inputs	0.5 s
Maximum power consumption in W	2.5 W
Input protection type	Internal, electronic

Number of inputs	1 NC + NO
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	20 mA at 24 V for solid state output circuit 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	4.2 A per relay for relay output
[Ith] conventional free air thermal current	8.4 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	20 ms
[Ui] 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
[Uimp] 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
Current consumption	8 mA at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Product weight	0.15 kg

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60204-1 EN 574 type III C/ISO 13851
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

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Dimensions

