



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSVC
Safety module application	For enabling switch monitoring
Function of module	Switch monitoring
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	MTTFd = 50 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 PFHd = 1.3E-8 1/h conforming to EN/IEC 62061
[Us] rated supply voltage	24 V DC - 20...20 %
Output type	Relay, 2 NO circuit(s), volt-free
Number of additional circuits	2 solid state outputs

Complementary

Maximum power consumption in W	2.5 W
Input protection type	Internal, electronic
[Uc] control circuit voltage	24 V DC
Maximum line resistance	100 Ohm
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
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 6 A fast blow for relay output
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
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
Current consumption	8 mA at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Product weight	0.25 kg

Environment

Standards	EN 61326 + A1 EN/IEC 60947-5-1 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

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

