



## Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSVNE
Safety module application	For zero speed detection
Function of module	Monitoring 3-phase motor with star-delta starting Monitoring 3-phase motor with variable number of poles and star-delta starting Monitoring 3-phase motor + variable speed drive Monitoring 3-phase motor Monitoring XPS AK Monitoring star-delta motor starter and guard switch type XCS E Monitoring dc motor
Safety level	Can reach PL d/category 3 conforming to EN/ISO 13849-1 Can reach SILCL 2 conforming to EN/IEC 62061
Safety reliability data	MTTFd = 124.1 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 PFHd = 9.26E-9 1/h conforming to EN/IEC 62061
[Us] rated supply voltage	24 V DC - 15...10 %
Output type	Relay, 1 NO + 1 NC circuit(s), volt-free
Number of additional circuits	2 solid state outputs

## Complementary

Product destination	For motor power supply <= 60 Hz
Maximum power consumption in W	3.5 W
Input voltage	500 Vrms
Input detection threshold	0.01...0.1 V
Breaking capacity	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output
Breaking capacity	1.2 A at 24 V (DC-13) time constant: 50 ms for NC relay output circuit 1.5 A at 24 V (DC-13) time constant: 50 ms for NO relay output circuit 10 MA at 48 V for solid state output circuit 20 mA at 24 V for solid state output circuit
[Ith] conventional free air thermal current	2.5 A for relay output
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
[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 parts 1 and 2
[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 parts 1 and 2
Local signalling	4 LEDs

Connections - terminals	<p>Captive screw clamp terminals, removable terminal block flexible cable: 0.2...1.5 mm<sup>2</sup> without cable end, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block flexible cable: 0.2...2.5 mm<sup>2</sup> without cable end, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...1 mm<sup>2</sup> with cable end, without bezel, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm<sup>2</sup> with cable end, with bezel, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm<sup>2</sup> with cable end, without bezel, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable: 0.5...1.5 mm<sup>2</sup> with cable end, with double bezel, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block solid cable: 0.2...1 mm<sup>2</sup> without cable end, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block solid cable: 0.2...2.5 mm<sup>2</sup> without cable end, 1 wire</p>
Mounting support	35 mm symmetrical DIN rail
Depth	114 mm
Height	99 mm
Width	45 mm
Net weight	0.5 kg

## Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60204-1
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

## Packing Units

Package 1 Weight	0.286 kg
Package 1 Height	1.050 dm
Package 1 width	1.250 dm
Package 1 Length	0.650 dm

## Offer Sustainability

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

## Contractual warranty

Warranty	18 months
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Dimensions

