



Main

Commercial Status	Commercialised
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 variable number of poles and star-delta starting Monitoring 3-phase motor + variable speed drive Monitoring 3-phase motor with star-delta starting Monitoring 3-phase motor Monitoring dc motor Monitoring XPS AK Monitoring star-delta motor starter and guard switch type XCS E
Safety level	Can reach SILCL 2 conforming to EN/IEC 62061 Can reach PL d/category 3 conforming to EN/ISO 13849-1
Safety reliability data	PFHd = 9.26E-9 1/h conforming to EN/IEC 62061 DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 124.1 years conforming to EN/ISO 13849-1
[Us] rated supply voltage	115 V AC (- 15...15 %)
Output type	Relay 1 NO + 1 NC, volt-free
Number of additional circuits	2 solid state outputs

Complementary

Product destination	For motor power supply <= 60 Hz
Power consumption	<= 7.5 VA
Input voltage	500 Vrms
Input detection threshold	0.01...0.1 V
Breaking capacity	C300 : inrush 1800 VA AC-15 for relay output C300 : holding 180 VA AC-15 for relay output
Breaking capacity	20 mA / 24 V for solid state output circuit 10 mA / 48 V for solid state output circuit 1.5 A / 24 V - L/R = 50 ms, DC-13 for NO relay output circuit 1.2 A / 24 V - L/R = 50 ms, DC-13 for NC relay 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, degree of pollution 2 conforming to DIN VDE 0110 parts 1 and 2 300 V, degree of pollution 2 conforming to IEC 60947-5-1
[Uimp] rated impulse withstand voltage	4 kV overvoltage category III, conforming to DIN VDE 0110 parts 1 and 2 4 kV overvoltage category III, conforming to IEC 60947-5-1
Local signalling	4 LEDs

Connections - terminals	<p>Captive screw clamp terminals, removable terminal block solid cable : 0.2...2.5 mm² without cable end, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block solid cable : 0.2...1 mm² without cable end, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.5...1.5 mm² with cable end, with double bezel, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm² with cable end, without bezel, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm² with cable end, with bezel, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.25...1 mm² with cable end, without bezel, 2 wires</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.2...2.5 mm² without cable end, 1 wire</p> <p>Captive screw clamp terminals, removable terminal block flexible cable : 0.2...1.5 mm² without cable end, 2 wires</p>
Mounting support	35 mm symmetrical DIN rail
Depth	114 mm
Height	99 mm
Width	45 mm
Product weight	0.6 kg

Environment

Standards	<p>EN/IEC 60204-1</p> <p>EN/IEC 60947-5-1</p>
Product certifications	<p>CSA</p> <p>TÜV</p> <p>UL</p>
IP degree of protection	<p>IP40(Enclosure) conforming to EN/IEC 60529</p> <p>IP20(Terminals) conforming to EN/IEC 60529</p>
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...85 °C

Dimensions

