Product data sheet
Characteristics

XPSVNE3442P
module XPSVN - zero speed detection - 115 V DC for motor power supply <= 60 Hz

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 XPS AK Monitoring 3-phase motor with variable number of poles and star-delta starting Monitoring 3-phase motor with star-delta starting Monitoring 3-phase motor + variable speed drive Monitoring star-delta motor starter and guard switch type XCS E Monitoring 3-phase motor 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	115 V AC - 15...15 %
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 VA	7.5 VA
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Connections - terminals	Captive screw clamp terminals, removable terminal block flexible cable: 0.2...1.5 mm² without cable end, 2 wires Captive screw clamp terminals, removable terminal block flexible cable: 0.2...2.5 mm² without cable end, 1 wire Captive screw clamp terminals, removable terminal block flexible cable: 0.25...1 mm² with cable end, without bezel, 2 wires Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm² with cable end, with bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm² with cable end, without bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable: 0.5...1.5 mm² with cable end, with double bezel, 2 wires Captive screw clamp terminals, removable terminal block solid cable: 0.2...1 mm² without cable end, 2 wires Captive screw clamp terminals, removable terminal block solid cable: 0.2...2.5 mm² without cable end, 1 wire
Mounting support	35 mm symmetrical DIN rail
Depth	114 mm
Height	99 mm
Width	45 mm
Net weight	0.6 kg

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60204-1
Product certifications	UL CSA 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

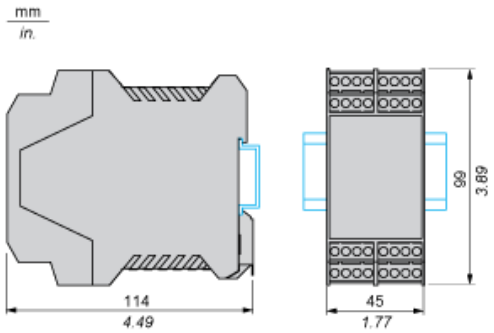
Package 1 Weight	0.380 kg
Package 1 Height	1.050 dm
Package 1 width	1.250 dm
Package 1 Length	0.650 dm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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
PVC free	Yes

Contractual warranty

Warranty	18 months

XPSVNE3442P

Dimensions