XPSVNE1142P

module XPSVN - zero speed detection - 24 V DC for motor power supply <= 60 Hz

Green Premium™

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 EN/ISO 13849-1 Can reach SILCL 2 EN/IEC 62061
Safety reliability data	MTTFd = 124.1 years EN/ISO 13849-1 DC > 99 % EN/ISO 13849-1 PFHd = 9.26E-9 1/h EN/IEC 62061
Product Certifications	CSA[RETURN]UL[RETURN]TÜV
[Us] Rated Supply Voltage	24 V DC - 15...10 %
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 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 24 V DC-13)50 ms NC relay output circuit 1.5 A 24 V DC-13)50 ms NO relay output circuit 10 MA 48 V solid state output circuit 20 mA 24 V solid state output circuit
[Ith] conventional free air thermal current	2.5 A relay output
Associated fuse rating	4 A gG relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200
Standards	EN/IEC 60947-5-1 EN/IEC 60204-1
Minimum output current	10 mA relay output
Minimum output voltage	17 V relay output
[Ui] rated insulation voltage	300 V 2)IEC 60947-5-1 300 V 2)DIN VDE 0110 parts 1 and 2
[Uimp] rated impulse withstand voltage	4 KV III IEC 60947-5-1 4 kV III DIN VDE 0110 parts 1 and 2
Local signalling	4 LEDs

Connections - terminals	Captive screw clamp terminals, removable terminal block flexible 0.2...1.5 mm² without cable end, 2 wires Captive screw clamp terminals, removable terminal block flexible 0.2...2.5 mm² without cable end, 1 wire Captive screw clamp terminals, removable terminal block flexible 0.25...1 mm² with cable end, without bezel, 2 wires Captive screw clamp terminals, removable terminal block flexible 0.25...2.5 mm² with cable end, with bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible 0.25...2.5 mm² with cable end, without bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible 0.5...1.5 mm² with cable end, with double bezel, 2 wires Captive screw clamp terminals, removable terminal block solid 0.2...1 mm² without cable end, 2 wires Captive screw clamp terminals, removable terminal block solid 0.2...2.5 mm² without cable end, 1 wire
Mounting Support	35 mm symmetrical DIN rail
Depth	4.49 in (114 mm)
Height	3.90 in (99 mm)
Width	1.77 in (45 mm)
Net Weight	1.10 lb(US) (0.5 kg)

Environment

IP degree of protection	IP20 terminals)EN/IEC 60529 IP40 enclosure)EN/IEC 60529
Ambient Air Temperature for Operation	14…131 °F (-10…55 °C)
Ambient Air Temperature for Storage	-13…185 °F (-25…85 °C)

Ordering and shipping details

Category	22477-SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	3389119004213
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.13 in (10.5 cm)
Package 1 Width	4.92 in (12.5 cm)
Package 1 Length	2.56 in (6.5 cm)
Package 1 Weight	10.09 oz (286.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	8.82 lb(US) (4 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Height	29.53 in (75 cm)
Package 3 Width	15.75 in (40 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	158.73 lb(US) (72 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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

Dimensions