Product datasheet

Specifications

Green Premium™

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

XPSVNE1142P

Discontinued on: 16 Jan 2024

Discontinued

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
Product Certifications	CSA UL TÜV
[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
Standards	EN/IEC 60947-5-1 EN/IEC 60204-1

Disclaimer: 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

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	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	0.5 kg

Environment

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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.5 cm
Package 1 Width	12.5 cm
Package 1 Length	6.5 cm
Package 1 Weight	286.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	12
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	192

Package 3 Height	75 cm
Package 3 Width	40 cm
Package 3 Length	80 cm
Package 3 Weight	72 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information