Product data sheet
Characteristics

XPSVNE1142HSP
module XPSVN - zero speed detection - 24 V DC for motor power supply > 60 Hz

Product availability: Stock - Normally stocked in distribution facility

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 star-delta motor starter and guard switch type XCS E Monitoring 3-phase motor with star-delta starting Monitoring 3-phase motor with variable number of poles and star-delta starting Monitoring dc motor Monitoring 3-phase motor Monitoring XPS AK Monitoring 3-phase motor + variable speed drive
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, 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	C300: holding 180 VA AC-15 relay output C300: inrush 1800 VA AC-15 relay output
Breaking capacity	10 mA/48 V for solid state output circuit 20 mA / 24 V 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 relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200
Minimum output current	10 mA relay output
Minimum output voltage	17 V relay output
[Ui] rated insulation voltage	300 V, degree of pollution 2 conforming to IEC 60947-5-1 300 V, degree of pollution 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	4.49 in (114 mm)
Height	3.9 in (99 mm)
Width	1.77 in (45 mm)
Product weight	1.1 lb(US) (0.5 kg)

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60204-1
Product certifications	TÜV CSA UL
IP degree of protection	IP20(Terminals) conforming to EN/IEC 60529 IP40(enclosure) conforming to 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

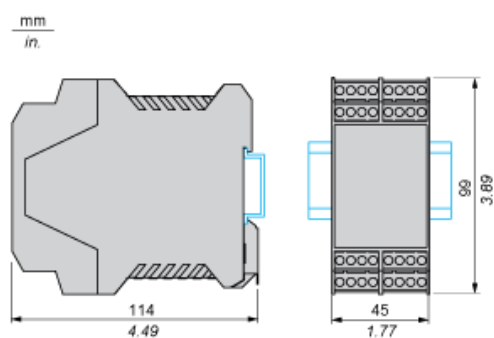|	
Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	00785901161295
Nbr. of units in pkg.	1
Package weight(Lbs)	0.60999999999999999
Returnability	Y
Country of origin	ID

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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XPSVNE1142HSP

Dimensions

Mouser Electronics

Authorized Distributor

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