

XPSVNE1142HSP

module XPSVN - zero speed detection - 24 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 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 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 for relay output C300 : inrush 1800 VA AC-15 for relay output
Breaking capacity	10 mA / 48 V for solid state output circuit 20 mA / 24 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
[Uj] 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	Captive screw clamp terminals, removable terminal block flexible cable : 0.2...1.5 mm ² without cable end, 2 wires Captive screw clamp terminals, removable terminal block flexible cable : 0.2...2.5 mm ² without cable end, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.25...1 mm ² with cable end, without bezel, 2 wires Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm ² with cable end, with bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.25...2.5 mm ² with cable end, without bezel, 1 wire Captive screw clamp terminals, removable terminal block flexible cable : 0.5...1.5 mm ² with cable end, with double bezel, 2 wires Captive screw clamp terminals, removable terminal block solid cable : 0.2...1 mm ²

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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
Product weight	0.5 kg

Environment

standards	EN/IEC 60204-1 EN/IEC 60947-5-1
product certifications	CSA TÜV UL
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

Contractual warranty

Warranty period	18 months
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Dimensions

