

XPSTSA5142P

module XPSTS - interlocking on high inertia machines
- 24 V AC DC



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety time delay module
Safety module name	XPSTSA
Safety module application	For application with interlocking on high inertia
Function of module	Monitoring safety time delays
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	DC = 60...90 % conforming to EN/ISO 13849-1 MTTFd = 126 years conforming to EN/ISO 13849-1 PFHd = 1.3E-7 1/h conforming to EN/IEC 62061
[Us] rated supply voltage	24 V AC (- 20...10 %) 24 V DC (- 15...15 %)
Output type	Relay 1 NO + 2 NC, volt-free
Number of additional circuits	2 solid state outputs

Complementary

Supply frequency	50/60 Hz
Power consumption in VA	<= 2.3 VA DC <= 4.3 VA AC
Input protection type	Internal, electronic
Time delay	1...31 s configurable
Breaking capacity	C300 : holding 180 VA AC-15 for relay output C300 : inrush 1800 VA AC-15 for relay output
Breaking capacity	1.5 A / 24 V - L/R = 50 ms, DC-13 for relay output 20 mA / 24 V for solid state output circuit 10 mA / 48 V
[Ith] conventional free air thermal current	<= 6 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 6 A fast blow 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, degree of pollution 2 conforming to IEC 60947-5-1 300 V, degree of pollution 2 conforming to DIN VDE 0110 part 1
[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 part 1
Local signalling	4 LEDs
Connections - terminals	Captive screw clamp terminals flexible cable: 0.14...0.75 mm ² without cable end, 1 wire Captive screw clamp terminals flexible cable: 0.14...2.5 mm ² without cable end, 1 wire Captive screw clamp terminals flexible cable: 0.25...1 mm ² with cable end, without bezel, 1 wire Captive screw clamp terminals flexible cable: 0.25...1.5 mm ² with cable end, with bezel, 1 wire Captive screw clamp terminals flexible cable: 0.25...2.5 mm ² with cable end, without bezel, 1 wire Captive screw clamp terminals flexible cable: 0.5...1.5 mm ² with cable end, with double bezel, 1 wire Captive screw clamp terminals solid cable: 0.14...0.75 mm ² without cable end, 1 wire Captive screw clamp terminals solid cable: 0.14...2.5 mm ² without cable end, 1 wire
Mounting support	35 mm symmetrical DIN rail
Depth	114 mm
Height	99 mm

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Width	45 mm
Product weight	0.25 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

Dimensions

