

# Product data sheet

Specifications



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

XPSTSA5142P

- ! Discontinued on: 31 July 2023
- ! To be end-of-service on: 31 December 2025

! Discontinued - Service only

### 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	MTTFd = 126 years conforming to EN/ISO 13849-1 DC = 60...90 % 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 circuit(s), volt-free
Number of additional circuits	2 solid state outputs

### Complementary

Supply frequency	50/60 Hz
Maximum 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	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output  10 mA at 48 V 20 mA at 24 V for solid state output circuit 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
[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 (pollution degree 2) conforming to IEC 60947-5-1 300 V (pollution degree 2) conforming to DIN VDE 0110 part 1

<b>[Uimp] rated impulse withstand voltage</b>	4 kV overvoltage category III conforming to IEC 60947-5-1 4 kV overvoltage category III conforming to DIN VDE 0110 part 1
<b>Local signalling</b>	4 LEDs
<b>Connections - terminals</b>	Captive screw clamp terminals flexible cable: 0.14...0.75 mm <sup>2</sup> without cable end, 1 wire Captive screw clamp terminals flexible cable: 0.14...2.5 mm <sup>2</sup> without cable end, 1 wire Captive screw clamp terminals flexible cable: 0.25...1 mm <sup>2</sup> with cable end, without bezel, 1 wire Captive screw clamp terminals flexible cable: 0.25...1.5 mm <sup>2</sup> with cable end, with bezel, 1 wire Captive screw clamp terminals flexible cable: 0.25...2.5 mm <sup>2</sup> with cable end, without bezel, 1 wire Captive screw clamp terminals flexible cable: 0.5...1.5 mm <sup>2</sup> with cable end, with double bezel, 1 wire Captive screw clamp terminals solid cable: 0.14...0.75 mm <sup>2</sup> without cable end, 1 wire Captive screw clamp terminals solid cable: 0.14...2.5 mm <sup>2</sup> without cable end, 1 wire
<b>Mounting support</b>	35 mm symmetrical DIN rail
<b>Depth</b>	114 mm
<b>Height</b>	99 mm
<b>Width</b>	45 mm
<b>Net weight</b>	0.25 kg

## Environment

<b>Standards</b>	EN/IEC 60204-1 EN/IEC 60947-5-1
<b>Product certifications</b>	TÜV UL CSA
<b>IP degree of protection</b>	IP20 (terminals) conforming to EN/IEC 60529 IP40 (enclosure) conforming to EN/IEC 60529
<b>Ambient air temperature for operation</b>	-10...55 °C
<b>Ambient air temperature for storage</b>	-25...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.3 cm
<b>Package 1 Width</b>	10.6 cm
<b>Package 1 Length</b>	12.6 cm
<b>Package 1 Weight</b>	285.9 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	3.976 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>RoHS exemption information</b>	Yes

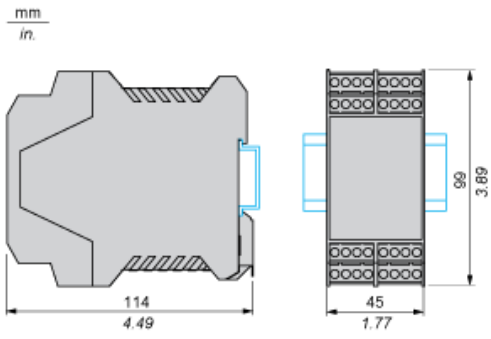
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>PVC free</b>	Yes
<b>California proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Contractual warranty

<b>Warranty</b>	18 months
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**Dimensions**

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**Recommended replacement(s)**

XPSTSA5142P is replaced by the following group of products:

1x		controller, Modicon MCM, 8 inputs 4 outputs, monitors expansion modules, screw XPSMCMC10804
1x		controller, Modicon MCM, 8 inputs 2 outputs, monitors expansion modules, screw XPSMCMCP0802