

Product data sheet

Specifications



module XPSAC - Emergency stop - 24 V AC DC

XPSAC5121

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

! To be discontinued

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSAC
Safety module application	For emergency stop and switch monitoring
Function of module	Emergency stop Switch monitoring
Safety level	Can reach PL e/category 4 conforming to EN/ISO 13849-1 Can reach SILCL 3 conforming to EN/IEC 62061
Safety reliability data	MTTFd = 210.4 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 PFHd = 3.56E-9 1/h conforming to EN/IEC 62061
Type of start	Unmonitored
Connections - terminals	Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm ² flexible without cable end Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm ² solid without cable end Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm ² flexible with cable end, with bezel Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm ² flexible without cable end Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm ² solid without cable end Captive screw clamp terminals, 2 x 0.25...2 x 1 mm ² flexible with cable end, without bezel Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm ² flexible with cable end, with double bezel
Output type	Relay instantaneous opening, 3 NO circuit(s), volt-free
Number of additional circuits	1 solid state output
[Us] rated supply voltage	24 V AC - 20...10 % 24 V DC - 20...20 %

Complementary

Supply frequency	50/60 Hz
Maximum power consumption in W	1.2 W DC
Maximum power consumption in VA	2.5 VA AC
[Uc] control circuit voltage	24 V
Breaking capacity	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output 1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	6 A per relay for relay output

[Ith] conventional free air thermal current	10.5 A
Associated fuse rating	4 A gG or gL 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	16 V for relay output
Maximum response time on input open	100 ms
[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
[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	2 LEDs
Current consumption	40 mA at 24 V DC on power supply 90 mA at 24 V AC on power supply
Mounting support	35 mm symmetrical DIN rail
Net weight	0.16 kg

Environment

Standards	EN/IEC 60947-5-1 EN/ISO 13850 EN 60204-1 EN 1088/ISO 14119
Product certifications	UL CSA TÜV
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	3.0 cm
Package 1 Width	10.4 cm
Package 1 Length	12.0 cm
Package 1 Weight	196.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	16
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.478 kg
Unit Type of Package 3	P06
Number of Units in Package 3	512
Package 3 Height	77.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm

Package 3 Weight	115.54 kg
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Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
California proposition 65	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 www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

XPSAC5121 is replaced by:

1x		Estop or guard ,Harmony XPS, connected to supply terminals 24 V AC/DC , no inputs, screw XPSBAC14AP
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