Product datasheet

Specifications

module XPSAK - Emergency stop - 230 V AC

XPSAK371144P

⚠ **Discontinued on:** 1 Nov 2021

⚠ **End-of-service on:** 31 Dec 2023

⚠ **Discontinued**

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSAK
Safety module application	For emergency stop, switch, sensing mat/edges or safety light curtain monitoring
Function of module	Monitoring of a movable guard Monitoring of electro-sensitive protection equipment (ESPE) Sensing mat and edges monitoring Emergency stop monitoring 1-channel wiring Multiple emergency stop monitoring 2-channel wiring Proximity sensor monitoring Monitoring of a movable guard associated with 2 switches and automatic start Emergency stop with 2 NC contacts monitoring 2-channel wiring
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	DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 154.5 years conforming to EN/ISO 13849-1 PFHd = 7.39E-9 1/h conforming to EN/IEC 62061
Type of start	Configurable
Connections - terminals	Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 1 x 0.2...1 x 2.5 mm² solid with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 1 x 0.25...1 x 2.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1 mm² solid with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.2...2 x 1.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.25...2 x 1 mm² flexible with cable end, with double bezel Captive screw clamp terminals, removable terminal block, 2 x 0.5...2 x 1.5 mm² flexible with cable end, with double bezel
Output type	Relay instantaneous opening, 3 NO circuit(s), volt-free
Number of additional circuits	1 NC + 4 solid state outputs
[Us] rated supply voltage	230 V AC - 15...10 % 24 V DC - 15...10 %

Complementary

Synchronisation time between inputs	2 or 4 s depending of wiring (automatic start) Unlimited (manual start)
Supply frequency	50/60 Hz
Maximum power consumption in VA	6 VA AC

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Input protection type	Internal, electronic
[Uc] control circuit voltage	24 V DC
Maximum line resistance	28 Ohm
Breaking capacity	180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output
Breaking capacity	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	18 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	17 V for relay output
Maximum response time on input open	40 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	4 LEDs
Current consumption	30 mA at 24 V AC on power supply
Mounting support	35 mm symmetrical DIN rail
Net weight	0.4 kg

Environment

Standards	EN/ISO 13850 EN/IEC 60947-5-1 EN/IEC 60204-1 EN 1088/ISO 14119
Product certifications	UL TÜV CSA
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	10.5 cm
Package 1 Width	12.5 cm
Package 1 Length	6.2 cm
Package 1 Weight	480.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	12

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Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.205 kg

Contractual warranty

Warranty	18 months

🔄 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

🌿 Environmental footprint

Environmental Disclosure	**Product Environmental Profile**

Use Better

🗟 Materials and Substances

EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**2c93de33-f1a7-4205-a4cb-b7b5cc7f1502**
REACh Regulation	**REACh Declaration**
China RoHS Regulation	**China RoHS declaration**
PVC free	**Yes**

Use Again

↻ Repack and remanufacture

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**

Dimensions Drawings

Dimensions

mm
in.

114
4.49

45
1.77

69
3.89