

XPSAXE5120C

module XPSAXE - stop and switch monitoring - 24 V DC



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSAXE
Safety module application	For emergency stop and 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	DC > 99 % conforming to EN/ISO 13849-1 PFHd = 3E-8 1/h conforming to EN/IEC 62061 MTTFd = 457 years conforming to EN/ISO 13849-1
Connections - terminals	Spring terminals, removable terminal block Spring terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² solid cable without cable end Spring terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² flexible cable without cable end Spring terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, without bezel Spring terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, with bezel Spring terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1 mm ² flexible cable with cable end, with double bezel
Output type	Relay instantaneous opening 3 NO, volt-free
Number of additional circuits	1 NC
[Us] rated supply voltage	24 V AC 24 V DC (- 15...10 %)

Complementary

Synchronisation time between inputs	< 0.5 s
Supply frequency	50/60 Hz
Power consumption in VA	<= 4 VA DC
[Uc] control circuit voltage	24 V DC
Breaking capacity	B300 : 3600 VA, AC-15 (inrush) for relay output B300 : 360 VA, AC-15 (holding) for relay output
Breaking capacity	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	6 A for instantaneous and time delay outputs
Associated fuse rating	6 A fuse type gG for instantaneous outputs
Minimum output current	10 mA for relay output
Minimum output voltage	17 V for relay output
Response time on input open	<= 80 ms
[Ui] rated insulation voltage	300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1 300 V (degree of pollution: 2) conforming to IEC 60947-5-1
[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
Mounting support	35 mm symmetrical DIN rail
Product weight	0.229 kg

Environment

standards	EN 1088/ISO 14119
-----------	-------------------

EN/IEC 60204-1
EN/IEC 60947-5-1
EN/ISO 13850

product certifications

BG
CSA
UL

IP degree of protection

IP40 conforming to EN/IEC 60529
IP20 conforming to EN/IEC 60529

ambient air temperature for operation

-25...55 °C

ambient air temperature for storage

-25...75 °C

Dimensions

