

XPSABV11330P

module XPSABV - stop and switch monitoring -
24 V AC/DC



Main

Commercial Status	Commercialised
Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSABV
Safety module application	For emergency stop and switch monitoring
Safety level	Can reach SILCL 2 conforming to EN/IEC 62061 time delay safety outputs Can reach SILCL 3 conforming to EN/IEC 62061 instantaneous safety outputs Can reach PL e/category 4 conforming to EN/ISO 13849-1 instantaneous safety outputs Can reach PL d/category 3 conforming to EN/ISO 13849-1 time delay safety outputs
Safety reliability data	PFHd = 2E-7 1/h conforming to EN/IEC 62061 time delay safety outputs PFHd = 3E-8 1/h conforming to EN/IEC 62061 instantaneous safety outputs DC = 60...90 % conforming to EN/ISO 13849-1 time delay safety outputs DC > 99 % conforming to EN/ISO 13849-1 instantaneous safety outputs MTTFd = 53 years conforming to EN/ISO 13849-1 time delay safety outputs MTTFd = 53 years conforming to EN/ISO 13849-1 instantaneous safety outputs
Connections - terminals	Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, without bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm ² flexible cable without cable end Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm ² solid cable without cable end Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm ² flexible cable with cable end, with bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, without bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² flexible cable without cable end Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm ² solid cable without cable end
Output type	Relay time delay opening 1 NO, volt-free Relay instantaneous opening 2 NO, volt-free
Number of additional circuits	0
[Us] rated supply voltage	24 V DC (- 15...10 %)

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Complementary

Synchronisation time between inputs	< 0.5 s
Power consumption in W	<= 3 W
Input protection type	Internal, electronic
Time delay range	1.5...30 s 0.15...3 s
Control circuit voltage	24 V DC
Breaking capacity	B300: 360 VA, AC-15 (holding) B300: 3600 VA, AC-15 (inrush)
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
[I _{th}] conventional free air thermal current	12 A
Associated fuse rating	6 A fuse type gG for instantaneous and time delay outputs
Minimum output current	10 mA for relay output
Minimum output voltage	17 V for relay output
Response time on input open	<= 200 ms
[U _i] 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
[U _{imp}] rated impulse withstand voltage	4 kV overvoltage category III conforming to DIN VDE 0110 part 1 4 kV overvoltage category III conforming to IEC 60947-5-1
Local signalling	3 LEDs
Mounting support	35 mm symmetrical DIN rail
Product weight	0.62 lb(US) (0.28 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	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-13...167 °F (-25...75 °C)

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	I11
GTIN	00785901069201
Nbr. of units in pkg.	1
Package weight(Lbs)	0.56
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	DE

Contractual warranty

Period	18 months
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