Product datasheet
Characteristics

XPSBF1132
module XPSBF - two-hand control - 24 V DC

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSBF
Safety module application	For electrical monitoring of two-hand control stations
Function of module	Monitoring two-hand control station and a foot switch
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 = 50.1 years conforming to EN/ISO 13849-1 PFHd = 1.3E-8 1/h conforming to EN/IEC 62061
Connections - terminals	Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm² flexible cable with cable end, without bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm² flexible cable with cable end, with bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm² flexible cable with cable end, without bezel Captive screw clamp terminals, clamping capacity: 2 x 0.5...2 x 1.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² flexible cable without cable end Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² solid cable without cable end Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm² flexible cable without cable end Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm² solid cable without cable end
Output type	Relay 2 NO, volt-free
Number of additional circuits	2 solid state outputs
[Us] rated supply voltage	24 V DC (- 20...20 %)

Complementary

Synchronisation time between inputs	0.5 s
Power consumption	<= 2.5 W
Input protection type	Internal, electronic

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number of inputs	1 NC + NO
Input compatibility	Two-hand control conforming to EN 574/ISO 13851-III C
Control circuit voltage	24 V DC
Breaking capacity	C300 : holding 180 VA AC-15 for relay output C300 : inrush 1800 VA AC-15 for relay output
Breaking capacity	1.5 A / 24 V - L/R = 50 ms, DC-13 for relay output 20 mA / 24 V for solid state output circuit
Output thermal current	4.2 A per relay for relay output
[Ith] conventional free air thermal current	<= 8.4 A
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
Response time on input open	<= 20 ms
[Ui] rated insulation voltage	300 V, degree of pollution 2 conforming to IEC 60947-5-1 300 V, degree of pollution 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	3 LEDs
Current consumption	8 mA / 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Product weight	0.15 kg

Environment

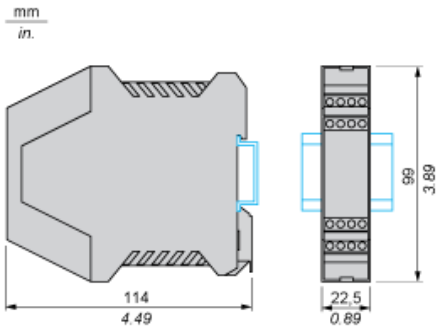
Standards	EN/IEC 60204-1 EN/IEC 60947-5-1 EN 574 type III C/ISO 13851
Product certifications	TÜV CSA UL
IP degree of protection	IP20(Terminals) conforming to EN/IEC 60529 IP40(Enclosure) conforming to EN/IEC 60529
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...85 °C

Contractual warranty

Warranty period	18 months

XPSBF1132

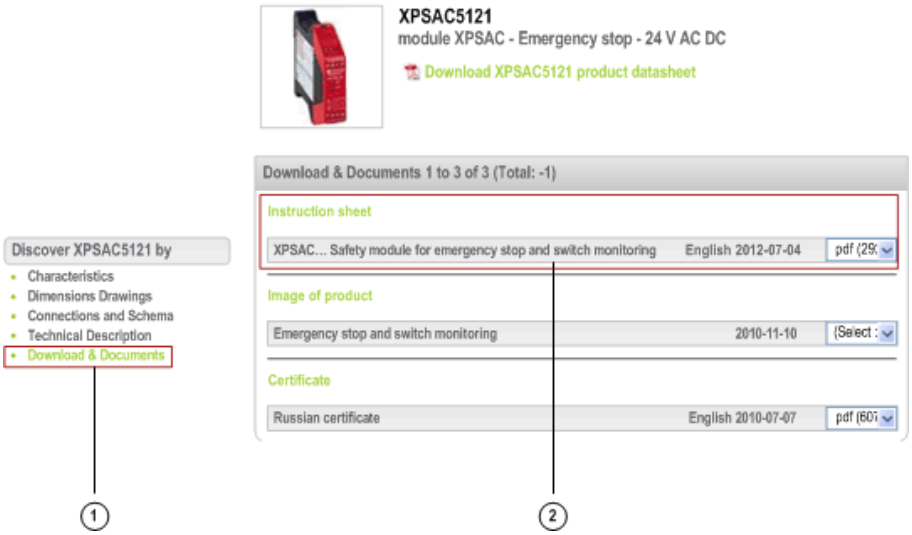
Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:



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