

XPSMC32ZP

safety controller XPS-MC - 24 V DC - 32 input -
48 LEDs signalling

Product availability : Stock - Normally stocked in distribution facility



Main

Range of product	Preventa Safety automation
Product or component type	Configurable safety controller
Safety module name	XPSMC
Safety use category	Category 4 maximum conforming to EN 954-1/EN/ISO 13849-1 PLE maximum conforming to EN/ISO 13849-1 SIL 3 maximum conforming to IEC 61508
Type of start	Configurable
Standards	EN 574/ISO 13851 EN 1760-1/ISO 13856-1 EN/IEC 60204-1 EN 954-1/EN/ISO 13849-1 EN/IEC 61496-1 IEC 61508 EN/IEC 60947-5-1
Product certifications	TÜV CSA UL
[Us] rated supply voltage	24 V DC - 20...20 %
Number of inputs	32
Communication port protocol	Modbus with 1 RJ45 port(s), serial link, transmission rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps or 19200 bps Profibus with 1 SUB-D 9-pin female port(s), serial link, transmission rate: 12 Mbps
Safety level	Can reach PL e/category 4 conforming to EN 954-1/EN/ISO 13849-1 Can reach SIL 3 conforming to IEC 61508

Complementary

Function of module	Dynamic monitoring of hydraulic valves on linear presses Eccentric press Emergency stop monitoring, with or without time delay, 1 or 2-channel wiring Enabling switch monitoring, 2 or 3 contacts Foot switch monitoring Guard monitoring for injection presses and blowing machines
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Guard monitoring with 1 or 2 limit switches
 Hydraulic press
 Magnetic switch monitoring
 Monitoring safety stop at top dead centre on eccentric press
 Muting function of light curtains
 Position selector
 Safety mat monitoring
 Safety time delays
 Shaft/Chain breaking monitor
 Zero speed detection
 Light curtain monitoring (category 4) conforming to EN/IEC 61496
 Two-hand control (category 3) conforming to EN 574/ISO 13851

Synchronisation time between inputs	Depending on configuration selected
Power consumption in W	12 W
Input protection type	External fuse 16 A
[Uc] control circuit voltage	28.8 V
Line resistance	100 Ohm
Output type	2 relays, 2 NO contacts (4 NO total) circuit(s) Solid state, 6 circuit(s), volt-free
Breaking capacity	C300: holding 180 VA AC-15 relay output C300: inrush 1800 VA AC-15 relay output
Breaking capacity	1.5 A/24 V - L/R = 50 ms, DC-13 relay output 2 A/24 V for static output circuit
Output thermal current	4 A for both outputs simultaneously 6 A for 1 output and 2 A for the other relay output
[Ith] conventional free air thermal current	<= 16 A for relay output <= 6.5 A for static output circuit
Associated fuse rating	16 A gL for power supply 4 A gL for relay output 6 A fast blow for relay output
Minimum output current	10 mA relay output
Minimum output voltage	17 V relay output
Response time	Configurable : 20 ms or 30 ms with software XPSMCWIN
[Ui] rated insulation voltage	300 V, degree of pollution 2 conforming to IEC 60647-5-1, DIN VDE 0110 part 1
[Uimp] rated impulse withstand voltage	4 kV overvoltage category III conforming to IEC 60647-5-1, DIN VDE 0110 part 1
Method of access	Slave
Exchange size	14 words
Number of addresses	1...247 Modbus 1...125 Profibus
Parity	Even Modbus No Modbus Odd Modbus
Data format	1 start bit/8 data bits 1 stop bit even or odd 2 stop bits without parity RTU (Remote Terminal Unit) mode
Supported modbus function	01: 8-bit output data/32-bit input data 02: 32-bit input data/8-bit output data 03: information and errors
Local signalling	48 LEDs
Mounting support	Mounting plate
Depth	6.02 in (153 mm)
Height	5.96 in (151.5 mm)
Width	2.91 in (74 mm)
Product weight	1.85 lb(US) (0.84 kg)

Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	14...131 °F (-10...55 °C)
Ambient air temperature for storage	-13...185 °F (-25...85 °C)

Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	00785901476344
Nbr. of units in pkg.	1
Package weight(Lbs)	2.2000000000000002
Returnability	N
Country of origin	FR

Contractual warranty

Warranty period	18 months
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