



Main

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|---------------------------|--|
| Range of Product | Preventa Safety automation |
| Product or Component Type | Safety controller with pre-defined function |
| Safety module name | XPSMP |
| Safety module application | 2 independent functions |
| Safety use category | Category 4 maximum EN/IEC 60954-1 |
| Type of start | Automatic or unmonitored 1) Automatic or unmonitored 10) Automatic or unmonitored 11) Automatic or unmonitored 14) Automatic or unmonitored 3) Automatic or unmonitored 5) Automatic or unmonitored 7) Monitored 12) Monitored 13) Monitored 15) Monitored 2) Monitored 4) Monitored 6) Monitored 8) Monitored 9) |
| Checks | Configuration 10) Configuration 13) Configuration 3) Configuration 4) Configuration 5) Configuration 6) Configuration 9) |
| Standards | EN/IEC 60947-1 + A11 EN/IEC 60947-5-1 EN/IEC 60204-1 DIN V VDE 801 + A1 |
| Product Certifications | UL CSA BIA |
| [Us] Rated Supply Voltage | 24 V DC - 20...20 % |
| Connections - terminals | Captive screw clamp terminals flexible 0.14...0.75 mm ² without cable end, 2 wires Captive screw clamp terminals solid 0.14...0.75 mm ² without cable end, 2 wires Captive screw clamp terminals flexible 0.14...2.5 mm ² without cable end, 1 wire Captive screw clamp terminals solid 0.14...2.5 mm ² without cable end, 1 wire Captive screw clamp terminals flexible 0.25...1 mm ² with cable end, without bezel, 2 wires Captive screw clamp terminals flexible 0.25...1.5 mm ² with cable end, with bezel, 1 wire Captive screw clamp terminals flexible 0.25...2.5 mm ² with cable end, without bezel, 1 wire Captive screw clamp terminals flexible 0.5...1.5 mm ² with cable end, with double bezel, 2 wires |
| Safety level | Can reach PL e/category 4 EN/ISO 13849-1 Can reach SIL 3 EN/IEC 62061 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

| | |
|---|--|
| Function of module | 0 functions disabled (factory setting) 1 emergency stop monitoring 1-channel wiring, category 2 10 enabling grip switch monitoring (3-position switch), category 4 11 sensing mat and edges monitoring, category 3 12 sensing mat and edges monitoring, category 3 13 relay output safety light curtain monitoring, category 4 14 coded magnetic switch monitoring, category 4 15 coded magnetic switch monitoring, category 4 2 emergency stop monitoring 1-channel wiring, category 2 3 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 4 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 5 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 6 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 7 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 8 emergency stop monitoring 2-channel wiring, or guard monitoring, category 4 9 guard monitoring for injection presses and blowing machines, category 4 |
| Synchronisation time between inputs | 0.5 s 13) 1.5 s 14) 1.5 s 15) 1.5 s 5) 1.5 s 6) 1.5 s 9) Unlimited 3) Unlimited 4) Unlimited 7) Unlimited 8) |
| Power Consumption in W | 5 W |
| Input protection type | Internal, electronic |
| [Uc] control circuit voltage | 24 V |
| Maximum line resistance | 100 Ohm <6561.68 ft (2000 m) |
| Number of safety circuits | 3 NO relays per function (6 NO total), volt-free |
| Number of additional circuits | 3 solid state outputs |
| Breaking capacity | 180 VA holding AC-15 C300 relay output 1800 VA inrush AC-15 C300 relay output |
| Breaking capacity | 20 MA 24 V static output circuit 1.5 A 24 V DC-13)50 ms relay output |
| Output thermal current | 2 A for 1 output and 4 A for the other 2 outputs relay 3.3 A for all 3 outputs relay simultaneously 6 A for 1 output and 2 A for the other 2 outputs relay |
| [Ith] conventional free air thermal current | 20 A |
| Associated fuse rating | 4 A gG relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fast blow relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current | 10 mA relay output |
| Minimum output voltage | 17 V relay output |
| Maximum response time on input open | 30 ms |
| [Ui] rated insulation voltage | 300 V 2)EN/IEC 60947-5-1, DIN VDE 0110 parts 1 & 2 |
| [Uimp] rated impulse withstand voltage | 4 kV III EN/IEC 60947-5-1, DIN VDE 0110 parts 1 & 2 |
| Local signalling | 12 LEDs |
| Mounting Support | 35 mm symmetrical DIN rail |
| Depth | 4.49 in (114 mm) |
| Height | 3.90 in (99 mm) |
| Width | 1.77 in (45 mm) |
| Net Weight | 0.71 lb(US) (0.32 kg) |

Environment

| | |
|---------------------------------------|------------------------------------|
| IP degree of protection | IP20 terminals) IP40 enclosure) |
| 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 | 3389110842326 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 14.71 oz (417 g) |
| Returnability | No |
| Country of origin | ID |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.36 in (6 cm) |
| Package 1 width | 4.72 in (12 cm) |
| Package 1 Length | 6.30 in (16 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 16.05 oz (455 g) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 20 |
| Package 3 Weight | 19.96 lb(US) (9.053 kg) |
| Package 3 Height | 11.81 in (30 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

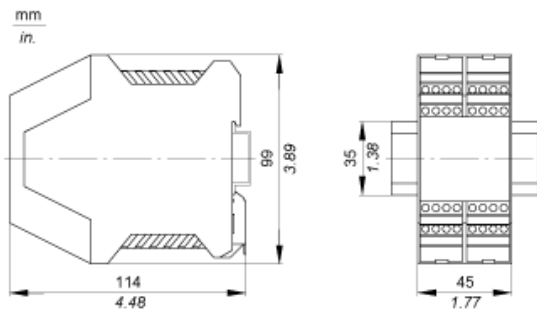
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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. |
| PVC free | Yes |

Contractual warranty

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| Warranty | 18 months |
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Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:

XPSAC5121
module XPSAC - Emergency stop - 24 V AC DC
[Download XPSAC5121 product datasheet](#)

Download & Documents 1 to 3 of 3 (Total: -1)

Instruction sheet

| | | |
|---|--------------------|----------|
| XPSAC... Safety module for emergency stop and switch monitoring | English 2012-07-04 | pdf (29) |
|---|--------------------|----------|

Image of product

| | | |
|--------------------------------------|------------|-------------|
| Emergency stop and switch monitoring | 2010-11-10 | {Select : } |
|--------------------------------------|------------|-------------|

Certificate

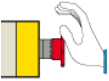

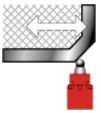


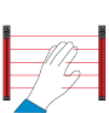
| | | |
|---------------------|--------------------|----------|
| Russian certificate | English 2010-07-07 | pdf (60) |
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1

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- 1 Click on Download & Documents.
- 2 Click on Instruction sheet.

Safety Functions

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|---|--|
|  | <ul style="list-style-type: none"> • Emergency stop monitoring, 1 channel wiring: <ul style="list-style-type: none"> ◦ 1 channel Emergency stop, automatic or unmonitored start. ◦ 1 channel Emergency stop, monitored start. • Emergency stop monitoring, 2 channel wiring: <ul style="list-style-type: none"> ◦ 2 channel Emergency stop, automatic or unmonitored start. ◦ 2 channel Emergency stop, monitored start. |
|  | <ul style="list-style-type: none"> • Coded magnetic switch monitoring: <ul style="list-style-type: none"> ◦ Automatic or unmonitored start, synchronization time = 1,5 s. ◦ Monitored start, synchronization time = 1,5 s. |
|  | <ul style="list-style-type: none"> • Guard monitoring with start test: <ul style="list-style-type: none"> ◦ Locking of guard with start test, automatic or unmonitored start. ◦ Locking of guard with start test, monitored start. • Guard monitoring with start test and synchronization time = 1,5 ms: <ul style="list-style-type: none"> ◦ Locking of guard with start test, automatic or unmonitored start. ◦ Locking of guard with start test, monitored start. • Guard monitoring for injection press or blowing machine. |
|  | <ul style="list-style-type: none"> • Enabling switch monitoring, safety mat monitoring: <ul style="list-style-type: none"> ◦ Enabling switch monitoring, with or without start-up preparation. ◦ Safety mat monitoring, automatic or unmonitored start. |
|  | <ul style="list-style-type: none"> • Sensing mat monitoring, monitored start. |
|  | <ul style="list-style-type: none"> • Light curtain monitoring, monitored start, synchronization time = 0,5 s. |