# XPSMCMCO0000S2
## RS485 Safe communications expansion module 2 way with screw term

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 457.00 USD

## Main

| | |
|---|---|
| Range of product | Preventa Safety automation |
| Product or component type | Safe communication expansion module |
| Device short name | XPSMCM |
| [Us] rated supply voltage | 24 V - 20...20 % DC |

## Complementary

| | |
|---|---|
| Power dissipation in W | 3 W |
| Safety level | Can reach category 4 EN/ISO 13849-1<br>Can reach PL = e EN/ISO 13849-1<br>Can reach SIL 3 EN/IEC 61508<br>Can reach SILCL 3 IEC 62061 |
| Quality labels | CE |
| Range compatibility | Preventa XPSMCM |
| Connector type | 4 ways RS485 |
| Number of port | 2 |
| Communication port protocol | RS485 |
| Current consumption | 0.125 mA |
| Maximum cable distance between devices | 164.04 ft (50 m) |
| Local signalling | LED green ON power ON<br>LED green RUN operating<br>LED red E IN internal error<br>LED red E EX external error |
| Number of terminals | 4 |
| Connections - terminals | 2 captive screw clamp terminals, removable terminal block<br>1 captive screw clamp terminals, removable terminal block |
| Cable cross section | 0.00…0.00 in² (0.2…1.5 mm²) - AWG 24...AWG 16 flexible without cable end<br>0.00…0.00 in² (0.2…2.5 mm²) - AWG 24...AWG 14 flexible without cable end |

*  Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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See the product details here

0.00…0.00 in² (0.25…1 mm²) - AWG 23...AWG 18 flexible with cable end, without bezel
0.00…0.00 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, with bezel
0.00…0.00 in² (0.25…2.5 mm²) - AWG 23...AWG 14 flexible with cable end, without bezel
0.00…0.00 in² (0.5…1.5 mm²) - AWG 20...AWG 16 flexible with cable end, with double bezel
0.00…0.00 in² (0.2…1 mm²) - AWG 24...AWG 18 solid without cable end
0.00…0.00 in² (0.2…2.5 mm²) - AWG 24...AWG 14 solid without cable end

| | |
|---|---|
| Mounting support | Omega 35 mm DIN rail EN 50022 |
| Maximum Width | 0.89 in (22.5 mm) |
| Maximum Height | 3.90 in (99 mm) |
| Maximum Depth | 4.51 in (114.5 mm) |
| Net Weight | 0.66 lb(US) (0.3 kg) |

## Environment

| | |
|---|---|
| Product certifications | RCM<br>TÜV<br>CULus |
| IP degree of protection | IP20 |
| Ambient air temperature for operation | 14…131 °F (-10…55 °C) |
| Ambient air temperature for storage | -4…185 °F (-20…85 °C) |
| Relative humidity | 10…95 % |
| Pollution degree | 2 |
| Insulation | 250 V AC between power supply and housing EN/IEC 61800-5-1 |
| Overvoltage category | II |
| Electromagnetic compatibility | Electrostatic discharge immunity test 6 kV on contact) EN/IEC 61000-4-2<br>Electrostatic discharge immunity test 20 kV on air) EN/IEC 61000-4-2<br>Susceptibility to electromagnetic fields 10 V/m 80...1000 MHz) EN/IEC 61000-4-3<br>Susceptibility to electromagnetic fields 30 V/m 1.4 GHz...2 GHz) EN/IEC 61000-4-3 |
| Vibration resistance | +/-0.35 mm 10…55 Hz)EN/IEC 61496-1 |
| Shock resistance | 10 gn 16 ms) 1000 shocks on each axis EN/IEC 61496-1 |
| Operating altitude | 6561.68 ft (2000 m) |
| Service life | 20 year(s) |

## Ordering and shipping details

| | |
|---|---|
| Category | 22477 - SAFETY MODULES (PREVENTA) |
| Discount Schedule | SAF2 |
| GTIN | 00785901546078 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.45 lb(US) (0.20 kg) |
| Returnability | No |
| Country of origin | IT |

## Packing Units

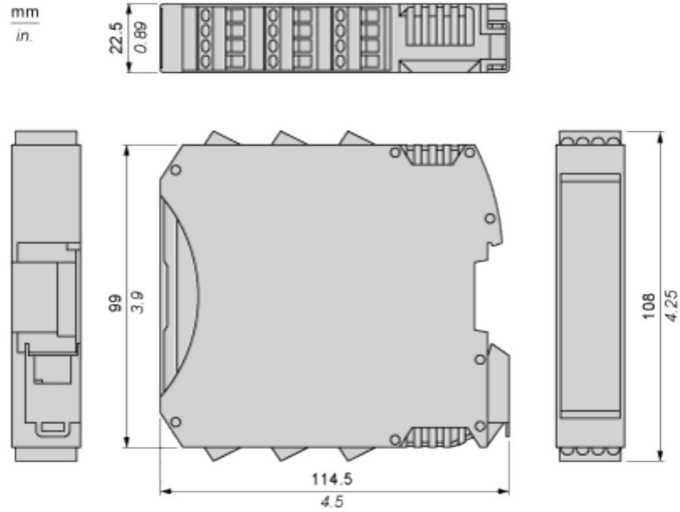| | |
|---|---|
| Package 1 Height | 0.450 dm |
| Package 1 width | 1.250 dm |
| Package 1 Length | 1.610 dm |

## 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 Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| Mercury free | Yes |

Life Is On | Schneider Electric

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See the product details here

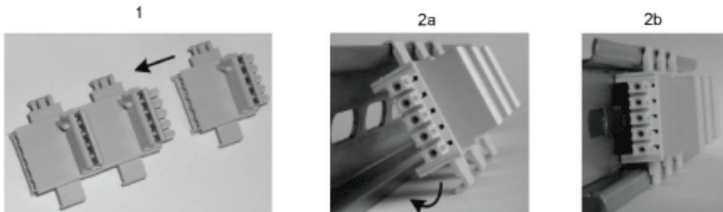| | |
|---|---|
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| PVC free | Yes |

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## Dimensions

### Screw Terminal

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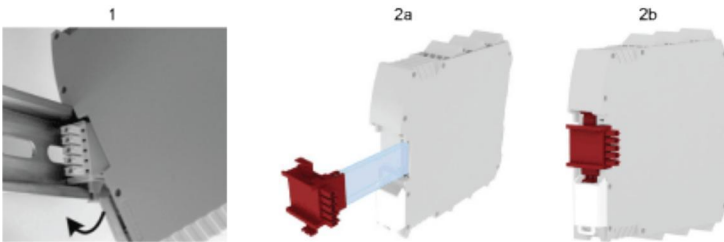See the product details here

## Mounting Safety Controller CPU with Module(s)

### Mount BackPlane Connector on Rail



1 :        Connect as much Backplane Connector as module to be install.
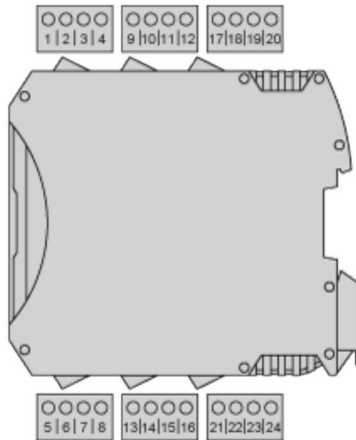2 :        Fix the connectors to the rail (Top first).

### Mount Safety Controller CPU with Other Module(s)



1 :        Mount controller CPU and modules on rail.
2 :        Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

## Wiring

### Terminal Designation



| Terminal | Signal |
|---|---|
| 1 | 24 VDC |
| 2 | not connected |
| 3 | BRAIDING CH1 |
| 4 | 0 VDC |
| 5 | not connected |
| 6 | not connected |
| 7 | BRAIDING CH2 |
| 8 | not connected |
| 9 | CH1-A |
| 10 | CH1-B |
| 11 | CH1-C |
| 12 | CH1-D |
| 13 | CH2-A |
| 14 | CH2-B |
| 15 | CH2-C |
| 16 | CH2-D |