



Main

| | |
|---------------------------|-------------------------------|
| Range of Product | Modicon MCM |
| Product or Component Type | Non-safe communication module |
| Device short name | XPSMCM |
| [Us] rated supply voltage | 24 V - 20...20 % DC |

Complementary

| | |
|--|--|
| Power dissipation in W | 3 W |
| Quality labels | CE |
| Range Compatibility | Preventa XPSMCM |
| Connector type | RJ45 |
| Number of port | 1 |
| Method of access | Server |
| Transmission rate | 10/100 Mbit/s |
| Communication port protocol | Ethernet TCP/IP |
| Current Consumption | 0.125 mA |
| Maximum cable distance between devices | 328.08 ft (100 m) |
| Local signalling | LED green PWR power ON LED green RUN operating LED red E IN internal error LED red E EX external error LED green/red NET connection state LED green/red STS communication status |
| Connections - terminals | 2 captive screw clamp terminals, removable terminal block |
| Cable cross section | 0.00...0.00 In ² (0.2...1.5 mm ²) - AWG 24...AWG 16 flexible without cable end 0.00...0.00 In ² (0.2...2.5 mm ²) - AWG 24...AWG 14 flexible without cable end 0.00...0.00 In ² (0.25...1 mm ²) - AWG 23...AWG 18 flexible with cable end, without bezel 0.00...0.00 In ² (0.25...2.5 mm ²) - AWG 23...AWG 14 flexible with cable end, with bezel 0.00...0.00 In ² (0.25...2.5 mm ²) - AWG 23...AWG 14 flexible with cable end, without bezel 0.00...0.00 In ² (0.5...1.5 mm ²) - AWG 20...AWG 16 flexible with cable end, with double bezel 0.00...0.00 In ² (0.2...1 mm ²) - AWG 24...AWG 18 solid without cable end 0.00...0.00 in ² (0.2...2.5 mm ²) - AWG 24...AWG 14 solid without cable end |
| Mounting support | Omega 35 mm DIN rail EN 50022 |
| Width | 0.89 in (22.5 mm) |
| Height | 3.90 in (99 mm) |
| Depth | 4.51 in (114.5 mm) |
| Net Weight | 0.66 lb(US) (0.3 kg) |

Environment

| | |
|---------------------------------------|---|
| Product Certifications | cULus[RETURN]RCM[RETURN]TÜV |
| 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 IEC 61800-5-1 |
| Overvoltage category | II |
| Electromagnetic compatibility | Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 20 kV (on air) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz...2 GHz) conforming to IEC 61000-4-3 |
| Vibration resistance | +/-0.35 mm 10...55 Hz)IEC 61496-1 |
| Shock resistance | 10 gn 16 ms) 1000 shocks on each axis 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 | 3606480748400 |
| Returnability | Yes |
| Country of origin | IT |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.77 in (4.5 cm) |
| Package 1 Width | 5.00 in (12.7 cm) |
| Package 1 Length | 6.38 in (16.2 cm) |
| Package 1 Weight | 8.04 oz (228.0 g) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 5.91 in (15.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 3.52 lb(US) (1.595 kg) |

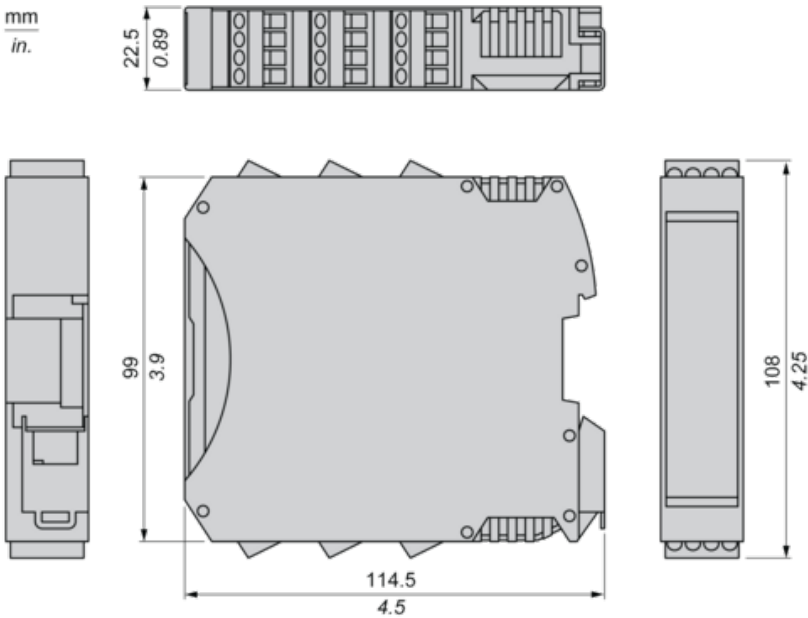
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |

| | |
|--------------------------|--|
| 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 |

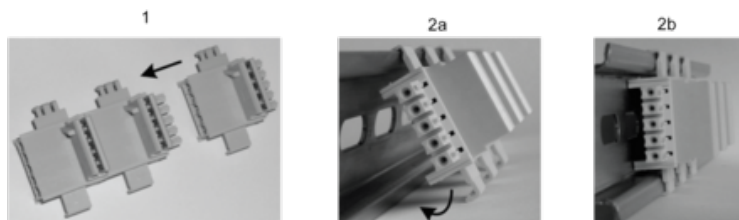
Dimensions

Screw Terminal



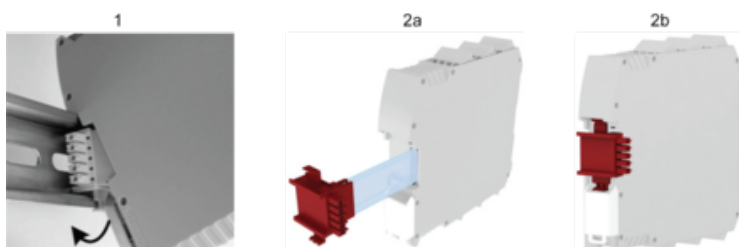
Mounting Safety Controller CPU with Module(s)

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).

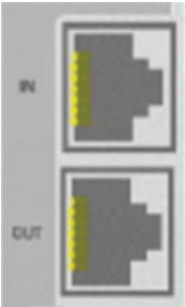
Mount Safety Controller CPU with Other Module(s)



- 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.

Connection & Schema

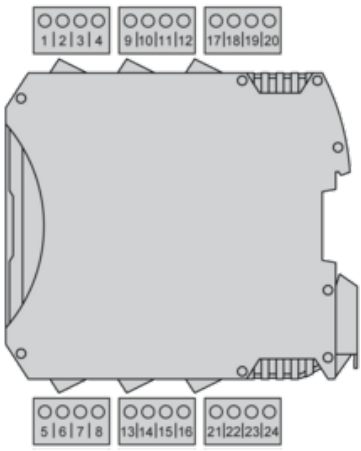
ETHERNET/IP Connector



| | |
|-------------|--|
| Description | ECAT (ETHERCAT) standard communication device |
| Wiring | <p>PIN/ Signal</p> <p>1/ Tx+</p> <p>2/ Tx-</p> <p>3/ Rx+</p> <p>4/ not connected</p> <p>5/ not connected</p> <p>6/ Rx-</p> <p>7/ not connected</p> <p>8/ not connected</p> |
| Data sets | <p>input status, input diagnostics,</p> <p>fieldbus input status, probe status,</p> <p>safety output status, safety output diagnostics</p> |

Wiring

Terminal Designation



| Terminal | Signal | Description |
|----------|--------|---------------------|
| 1 | 24 VDC | 24 Vdc power supply |
| 2 | – | Not connected |
| 3 | | |
| 4 | 0 VDC | 0 Vdc power supply |
| 5 | – | Not connected |

| Terminal | Signal | Description |
|----------|--------|-------------|
| 6 | | |
| 7 | | |
| 8 | | |

Wiring Example

