

# Product data sheet

Specifications



## expansion module, Modicon MCM, 2 safety relay outputs, screw

XPSMCMER0002

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

Range of Product	Preventa Safety automation
Product or Component Type	Safe relay output module
Device short name	XPSMCM
Electrical Connection	Screw terminal
[Us] rated supply voltage	24 V - 20...20 % DC
Number of Outputs	2 relay
Function of module	Monitoring safety actuators relay output

### Complementary

Maximum power dissipation in W	3 W
Integrated connection type	Not connected to backplane expansion bus
Switching voltage	10 V DC
Associated fuse rating	3.5 A, slow-blow
Safety level	Can reach category 4 ISO 13849-1 Can reach PL = e ISO 13849-1 Can reach SIL 3 IEC 61508 SILCL 3 IEC 62061
Quality labels	CE
Output type	Relay, 2 NO + 1 NC, volt-free
Quantity per Set	1
Switching time	12 ms
Maximum switching voltage	400 V AC 250 V DC
minimum switching current	20 mA
Maximum switching current	6 A
Number of terminal blocks	4
Local signalling	1 LED green PWR power ON 1 LED green RUN RUN (status) 1 LED red E IN internal error 1 LED red E EX external error 2 LEDs orange ADDR node address 1 LED green/red RELAY K1 relay contact
Connections - terminals	2 captive screw clamp terminals, removable terminal block 1 captive screw clamp terminals, removable terminal block

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

<b>Cable cross section</b>	0.0003...0.002 in <sup>2</sup> (0.2...1.5 mm <sup>2</sup> ) - AWG 24...AWG 16 flexible without cable end 0.0003...0.004 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - AWG 24...AWG 14 flexible without cable end 0.0004...0.002 in <sup>2</sup> (0.25...1 mm <sup>2</sup> ) - AWG 23...AWG 18 flexible with cable end, without bezel 0.0004...0.004 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - AWG 23...AWG 14 flexible with cable end, with bezel 0.0004...0.004 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - AWG 23...AWG 14 flexible with cable end, without bezel 0.0008...0.002 in <sup>2</sup> (0.5...1.5 mm <sup>2</sup> ) - AWG 20...AWG 16 flexible with cable end, with double bezel 0.0003...0.002 in <sup>2</sup> (0.2...1 mm <sup>2</sup> ) - AWG 24...AWG 18 solid without cable end 0.0003...0.004 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - AWG 24...AWG 14 solid without cable end
<b>Mounting support</b>	Omega 35 mm DIN rail EN 50022
<b>Width</b>	0.9 in (22.5 mm)
<b>Height</b>	3.9 in (99 mm)
<b>Depth</b>	4.5 in (114.5 mm)
<b>Product Weight</b>	0.55 lb(US) (0.25 kg)

## Environment

<b>Standards</b>	IEC 62061 ISO 13849-1 IEC 61508 IEC 61800-5-1
<b>Product Certifications</b>	TÜV cULus RCM
<b>IP degree of protection</b>	IP20
<b>Ambient Air Temperature for Operation</b>	14...131 °F (-10...55 °C)
<b>Ambient Air Temperature for Storage</b>	-4...185 °F (-20...85 °C)
<b>Relative Humidity</b>	10...95 %
<b>Pollution degree</b>	2
<b>[Uimp] rated impulse withstand voltage</b>	4 kV IEC 61800-5-1
<b>Safety reliability data</b>	B10d = 300000 AC-15 230 V, , <3 A ISO 13849-1 B10d = 750000 AC-15 230 V, , <1 A ISO 13849-1 B10d = 10000000 DC-13 24 V, , <2 A ISO 13849-1
<b>Insulation</b>	250 V AC between power supply and housing IEC 61800-5-1
<b>Overvoltage category</b>	II
<b>Electromagnetic compatibility</b>	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
<b>Vibration resistance</b>	+/-0.35 mm (f= 10...55 Hz) conforming to IEC 61496-1
<b>Shock resistance</b>	10 gn 16 ms 1000 shocks on each axis IEC 61496-1
<b>Electrical durability</b>	20000000 cycles
<b>Mechanical durability</b>	20000000 cycles
<b>Service Life</b>	20 year(s)

## Ordering and shipping details

<b>Category</b>	US1SAF222477
-----------------	--------------

<b>Discount Schedule</b>	SAF2
<b>GTIN</b>	3606480748806
<b>Returnability</b>	No
<b>Country of origin</b>	IT

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	1.73 in (4.4 cm)
<b>Package 1 Width</b>	6.22 in (15.8 cm)
<b>Package 1 Length</b>	4.80 in (12.2 cm)
<b>Package weight(Lbs)</b>	8.3 oz (236.0 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	26
<b>Package 2 Height</b>	11.81 in (30.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	14.584 lb(US) (6.615 kg)

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
PVC free	Yes

### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Image of product / Alternate images

Alternative

---





