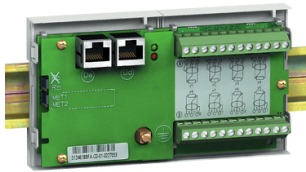


Product data sheet

Specifications



8 temperature sensor module MET148-2 for Sepam series 20, 40, 60, 80

59641

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

Main

Module type	Temperature sensor
Range of Product	Sepam series 80 Sepam series 60 Sepam series 80 NPP Sepam series 40 Sepam series 20
Device short name	MET148-2

Complementary

Type of measurement	Temperature
Number of inputs	8
Temperature probe type	Ni 100/Ni 120, <4 mA isolation from earth: none Pt 100, <4 mA isolation from earth: none
Mounting Mode	Fixed
Mounting Support	Symmetrical DIN rail
Height	3.5 in (88 mm)
Width	5.7 in (144 mm)
Depth	1.2 in (30 mm)
Net Weight	0.4 lb(US) (0.2 kg)
Mechanical robustness	Earthquakes in operation 2) 1 Gn (vertical axes) IEC 60255-21-3 Earthquakes in operation 2) 2 Gn (horizontal axes) IEC 60255-21-3 Jolts de-energized 2) 20 Gn/16 ms IEC 60255-21-2 Shocks de-energized 2) 27 Gn/11 ms IEC 60255-21-2 Shocks in operation 2) 10 Gn/11 ms IEC 60255-21-2 Vibrations de-energized 2) 2 Gn, 10 Hz...150 Hz IEC 60255-21-1 Vibrations in operation 2) 1 Gn, 10 Hz...150 Hz IEC 60255-21-1 Vibrations in operation Fc) 2 Hz...13.2 Hz, a = +/- 1 mm IEC 60068-2-6
Auxiliary connection terminal	Earthing terminal screw-type connectors cable <3280.8 ft (1000 m) Earthing terminal screw-type connectors tinned copper braid 0.009...0.2 in² (6...100 mm²) <3280.8 ft (1000 m) RTDs screw-type connectors 1 wire 0.0003...0.004 in² (0.2...2.5 mm²) RTDs screw-type connectors 2 wire 0.0003...0.002 in² (0.2...1 mm²)
Maximum distance between sensor and module	1 km
Tightening torque	Earthing terminal: 19.5 lbf.in (2.2 N.m)

Environment

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

Disclaimer: 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

Electromagnetic compatibility	1 MHz damped oscillating wave 2.5 kV CM, 1 kV DM immunity tests-conducted disturbances) IEC 60255-22-1 1 MHz damped oscillating wave 2.5 kV CM, 2.5 kV DM immunity tests-conducted disturbances) ANSI C37.90.1 100 kHz damped oscillating wave 2.5 kV CM, 1 kV DM immunity tests-conducted disturbances) IEC 61000-4-12 Conducted disturbance emission emission tests) IEC 60255-25 Conducted disturbance emission emission tests) A EN 55022 Disturbing field emission emission tests) IEC 60255-25 Disturbing field emission emission tests) A EN 55022 Electrostatic discharge 8 kV air, 4 kV contact immunity tests-radiated disturbances) ANSI C37.90.3 Electrostatic discharge 8 kV air, 6 kV contact immunity tests-radiated disturbances) IEC 60255-22-2 Fast transient bursts 4kV, 2.5 kHz immunity tests-conducted disturbances) ANSI C37.90.1 Fast transient bursts 4kV, 2.5 kHz/2 kV, 5 kHz immunity tests-conducted disturbances) A and B IEC 60255-22-4 Fast transient bursts 4kV, 2.5 kHz immunity tests-conducted disturbances) IV IEC 61000-4-4 Immunity to conducted RF disturbances 10 V immunity tests-conducted disturbances) III IEC 60255-22-6 Immunity to magnetic fields at network frequency 30 A/m (continuous)-300 A/m (1-3 s) immunity tests-radiated disturbances) IV IEC 61000-4-8 Immunity to radiated fields 10 V/m, 80 MHz...1 GHz immunity tests-radiated disturbances) IEC 60255-22-3 Immunity to radiated fields 35 V/m, 25 MHz...1 GHz immunity tests-radiated disturbances) ANSI C37.90.2 Immunity to radiated fields 10 V/m, 80 MHz...2 GHz immunity tests-radiated disturbances) III IEC 61000-4-3 Surges 2 kV CM, 1 kV DM immunity tests-conducted disturbances) III IEC 61000-4-5 Voltage interruptions 100 % during 100 ms immunity tests-conducted disturbances) IEC 60255-11
Climatic withstand	Influence of corrosion/gaz test 2 in operation) 21 days, 75 % RH, 25 °C, 0.5 ppm H2S, 1 ppm SO2 IEC 60068-2-60 Influence of corrosion/gaz test 4 in operation) 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm SO2, 0.2 ppm NO2, 0.01 ppm Cl2 IEC 60068-2-60 Continuous exposure to damp heat in operation) Cab 10 days, 93 % RH, 40 °C IEC 60068-2-78 Continuous exposure to damp heat in storage) Cab 56 days, 93 % RH, 40 °C IEC 60068-2-78 Continuous exposure to damp heat in storage) Db 6 days, 95 % RH, 55 °C IEC 60068-2-30 Exposure to cold in operation) Ad - 25 °C IEC 60068-2-1 Exposure to cold in storage) Ab - 25 °C IEC 60068-2-1 Exposure to dry heat in operation) Bd 70 °C IEC 60068-2-2 Exposure to dry heat in storage) Bb 70 °C IEC 60068-2-2 Salt mist in operation) Kb/2 6 days IEC 60068-2-52 Temperature variation with specified variation rate in storage) Nb - 25 °C to 70 °C, 5 °C/min IEC 60068-2-14
Ambient air temperature for operation	-13...158 °F (-25...70 °C)

Ordering and shipping details

Category	US1PL1S09787
Discount Schedule	PL1S
GTIN	3303430596417
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.402 in (6.100 cm)
Package 1 Width	4.843 in (12.300 cm)
Package 1 Length	7.205 in (18.300 cm)

Package weight(Lbs)	8.205 oz (232.600 g)
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	4.764 lb(US) (2.161 kg)

Contractual warranty

Warranty (in months)	18
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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

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration

Use Again

 Repack and remanufacture	
Take-back	No