

RMPT13BD

temperature transmitter - 40..40 °C/40..104 °F -
for Optimum Pt100 probes

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



Main

Commercial Status	Commercialised
Range of product	Zelio Analog
Product or component type	Converter for Optimum Pt100 probes
Analogue input type	Temperature probe - 40...40 °C/- 40...104 °F Pt 100 2, 3 or 4 wires
Analogue output type	Voltage 0...10 V \geq 100 kOhm Current 4...20 mA \leq 500 Ohm

Complementary

Protection type	Overvoltage protection on output (+/- 30 V) Reverse polarity protection on output Reverse polarity protection on power supply Short-circuit protection on output
Analogue output voltage	+/- 13 V when no input wired or wire broken
Analogue output current	0 A when no input wired or wire broken
[Us] rated supply voltage	24 V DC +/- 20 %, non isolated
Current consumption	\leq 60 mA for current output \leq 40 mA for voltage output
Local signalling	LED green (power ON)
Measurement error	+/- 10 % of full scale at 20 °C (electromagnetic interference of 10 V/m) +/- 1 % of full scale (2 wires) at 20 °C +/- 0.5 % of full scale (3 or 4 wires) at 20 °C
Repeat accuracy	+/- 0.6 % full scale at 60 °C +/- 0.2 % full scale at 20 °C
Temperature coefficient	150 ppm/°C
Maximum wiring resistance	0.2 Ohm connection in 2 wires
Clamping connection capacity	1 x 2.5 mm ² 2 x 1.5 mm ²
Tightening torque	5.31...9.73 lbf.in (0.6...1.1 N.m)
Marking	CE
Surge withstand	0.5 kV for 1.2/50 μ s conforming to IEC 61000-4-5
[Ui] rated insulation voltage	2000 V
Fixing mode	Fixed, mounting plate Clip-on, 35 mm symmetrical DIN rail
Product weight	0.26 lb(US) (0.12 kg)

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.

Environment

Standards	DIN 43760 EN/IEC 60584-1 EN/IEC 60751 EN/IEC 60947-1
Product certifications	CSA GL UL
IP degree of protection	IP50 housing IP20 terminal block
Fire resistance	1562 °F (850 °C) conforming to UL 1562 °F (850 °C) conforming to IEC 60695-2-1
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	5 gn (f = 10...100 Hz) conforming to IEC 60068-2-6
Resistance to electrostatic discharge	8 kV (in air) conforming to IEC 61000-4-2 level 3 6 kV (in contact) conforming to IEC 61000-4-2 level 3
Resistance to fast transients	2 kV on power supply conforming to IEC 61000-4-4 1 kV on input-output conforming to IEC 61000-4-4
Disturbance radiated/conducted	CISPR 11 CISPR 22 group 1 - class B
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	32...140 °F (0...60 °C) (2 cm spacing) 32...122 °F (0...50 °C) (mounting side by side)
Pollution degree	2 conforming to IEC 60664-1

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901494553
Nbr. of units in pkg.	1
Package weight(Lbs)	0.24
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	ID

Contractual warranty

Period	18 months
--------	-----------

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[RMPT13BD](#)