TRC

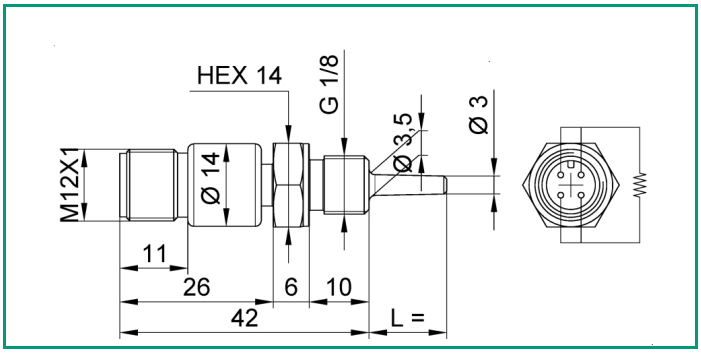
Rev. 0 - 08/12/2022

COMPACT THERMORESISTANCE

HM 2411

Compact thermoresistance suitable for temperatures up to 120°C

Thermoresistance Pt100 ohm
Single element
4 wires
Overmoulded M12x1 connector
Protection degree IP67
Fast response time with short immersion
Suitable for applications in liquids



TECHNICAL SPECIFICATION

Sensing element	Pt100 Ω @ 0°C
Sensing Element configuration	single 4-wire
Output signal type	thermoresistance
Accuracy class in accordance to IEC751 (*) (*) The accuracy class is valid only in the temperature range indicated by the norm	cl. A cl. B
Sensing element operating temperature range	-50 ÷120°C
Sheath diameter d	Ø 3,5 tapered conic to Ø 3 mm
Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	< 3,5 seconds
Sheet material	AISI 316L
Insulation resistance	100 M Ω@ 100 Vdc.
Stem length L	13 mm 24 mm
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Connection body material	POLYAMYDE (MOULDED)
Maximum connector temperature	90°C
Process connection (*) (*) Thread STANDARDS (CYL. GAS in accordance with UNI-ISO 228) (CON. GAS in accordance with UNI-ISO 7-1) (NPT in accordance with ANSI B 1.20.1)	1/8" GAS CIL. sec. UNI-ISO 228 M10 x 1
Marking	marked with calibration value at 0 °C, production date and traceability code
International protection marking (*) (*) According to IEC 60529	IP67
Maximum working pressure	PN 100 BAR
Cable conductors	copper tinned

TECHNICAL SPECIFICATION

Number of cable conductors	3
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	FEP
Primary insulation colour	1 white, 2 red
Secondary insulation	GS (silicone rubber)
Secondary insulation colour	white
Cable size or external shape	about Ø 3,3 mm
Cable working temperature	-40 ÷200°C (peak MAX 230°C)
Shield (internal)	Absent
Outside diameter of single conductor (*) **(*) primary insulation**	Not specified
External sheath	Absent

ORDER CODES