TM311-ART9/0 Cut Sheet

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Endress+Hauser iTHERM temperature sensor/transmitter, Pt100 RTD, direct mount probe, 0–150 °C, 30mm insertion length, 6mm probe diameter, 1/2in male NPT process connection, Output: 1-channel, current/IO-Link, 4-pin M12 quick-disconnect.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/TM311-ART9/0

Technical Specifications

Brand	Endress+Hauser
Item	Temperature sensor/transmitter
Series	ITHERM
Sensor Element	Pt100 RTD
Sensor Type	Direct mount probe
Media Type	Liquid, water, oil, chemicals, gases and air
Accuracy	Class A accuracy
Insertion Length	30mm
Probe Diameter	6mm
Sheath Material	316L stainless steel
Process Connection	1/2in male NPT
Number Of Output Channels	1
Output	Current/IO-Link

Output Current Signal Range	4–20 mA
Operating Voltage	15–30 VDC
Electrical Connection	4-pin M12 quick-disconnect
Temperature Sensing Range	0–150 °C
Communication Port and Connection Type(s)	(1) 4-pin M12 A-coded (IO-Link) port(s)
Port Protocol(s)	IO-Link Class A Device
Port Speed(s)	IO-Link COM2
IO-Link Version	IO-Link SSP Ed.2 v1.1
Standard I/O Mode Supported	Yes
IP Rating	IP66, IP67 and IP69
Additional Information	Purchase cable separately
Manufacturer Part Number	TM311-CAC0BG6BBB4A1

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	200600
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/TM311-ART9_0.pdf
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