RT8420-0001-112-1140 ✔ ACTIVE

MEAS | MEAS RT8420

TE Internal #: 04-1298-0189

TE Internal Description: RT8420-0001-112-1140

Rotary Displacement Potentiometer 4-20MA

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Position Sensor Product Type: **Industrial Rotary Potentiometer**

Housing Diameter: **63.2 mm [2.49 in]**

Supply Voltage Range: **8 – 34 VDC**

Input Current: **20 mA**

Non-Linearity: **.5 %**

All Rotary Displacement Potentiometer 4-20MA (348)

Features

Product Type Features

Position Sensor Product Type	Industrial Rotary Potentiometer

Configuration Features

Electrical Connection	Cable 25 ft Instrumentation

Electrical Characteristics

Supply Voltage Range	8 – 34 VDC
Input Current	20 mA
Output Current (Max)	20 mA
Output Impedance	100M Ω

Body Features

Product Weight	1361 g[48 oz]

Housing Features

Housing Diameter	63.2 mm[2.49 in]

Dimensions

Shaft Diameter	6.35 mm[.25 in]

Usage Conditions

Operating Temperature Range	-40 – 90 °C[-40 – 194 °F]

Operation/Application

Output Signal Type	4 – 20 mA

Other

Non-Linearity	.5 %
Non Repeatability and Hysteresis	.05
Torque	32 in-lbs

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Out of Scope
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: Not Yet Reviewed SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (5.3% in Component) Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component) Pb (18% in Component) TBPH (15% in Component) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

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on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Also in the Series | MEAS RT8420



Rotary Potentiometers(348)

Documents

Datasheets & Catalog Pages

RT8420

English