

PT1MA-15-UP-420E-MC4

✓ ACTIVE

MEAS | MEAS PT1

TE Internal #: 04-1103-0070

TE Internal Description: PT1MA-15-UP-420E-MC4

4-20MA PT1 STRING POTENTIOMETER

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Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > 4-20MA PT1 STRING POTENTIOMETER



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

Full Stroke Range: **381 mm [ 15 in ]**

Output Signal Type: **4 – 20 mA**

Accuracy: **±.18 % of Full Scale**

Repeatability: **.05 % of Full Scale**

[All 4-20MA PT1 STRING POTENTIOMETER \(316\)](#)

Features

Product Type Features

|                              |                                 |
|------------------------------|---------------------------------|
| Position Sensor Product Type | Industrial String Potentiometer |
|------------------------------|---------------------------------|

Body Features

|               |                          |
|---------------|--------------------------|
| Case Material | Aluminum + Polycarbonate |
|---------------|--------------------------|

Dimensions

|                   |               |
|-------------------|---------------|
| Full Stroke Range | 381 mm[15 in] |
|-------------------|---------------|

Usage Conditions

|                             |                         |
|-----------------------------|-------------------------|
| Accuracy                    | ±.18 % of Full Scale    |
| Operating Temperature Range | -18 – 93 °C[0 – 200 °F] |

Operation/Application

|                    |           |
|--------------------|-----------|
| Output Signal Type | 4 – 20 mA |
|--------------------|-----------|

Industry Standards

|           |      |
|-----------|------|
| IP Rating | IP65 |
|-----------|------|

Other

|                 |                                            |
|-----------------|--------------------------------------------|
| Encoder Drive   | No                                         |
| Repeatability   | .05 % of Full Scale                        |
| Measuring Cable | .019 Inch Dia Nylon-Coated Stainless Steel |



Product Compliance

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

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: Not Yet Reviewed<br>SVHC > Threshold:<br>Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component)<br>Pb (18% in Component)<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (5.3% in Component)<br><b>Article Safe Usage Statements:</b><br>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                               | Not Yet Reviewed for halogen content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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 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 PT1



Cable Actuated Position Sensors(1370)

Customers Also Bought



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



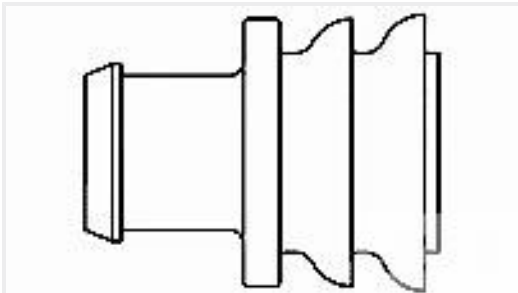
TE Part #CAT-D48-ST273  
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

Documents

Datasheets & Catalog Pages

PT1MA

English