



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > Shielded Cable Mini String Pot



Position Sensor Product Type: SM, Mini String Pot Series

Full Stroke Range: 63.5 – 635 mm [ 25 in ]

Output Signal Type: Voltage Divider (Potentiometric)

Accuracy: ±.25 % of FS

Repeatability: .02 % of FS

[All Shielded Cable Mini String Pot \(4\)](#)

Features

Product Type Features

|                              |                            |
|------------------------------|----------------------------|
| Position Sensor Product Type | SM, Mini String Pot Series |
|------------------------------|----------------------------|

Body Features

|               |                                            |
|---------------|--------------------------------------------|
| Case Material | Polycarbonate + Stainless Mounting Bracket |
|---------------|--------------------------------------------|

Dimensions

|                   |                      |
|-------------------|----------------------|
| Full Stroke Range | 63.5 – 635 mm[25 in] |
|-------------------|----------------------|

Usage Conditions

|                             |                         |
|-----------------------------|-------------------------|
| Accuracy                    | ±.25 % of FS            |
| Operating Temperature Range | -18 – 71 °C[0 – 160 °F] |

Operation/Application

|                    |                                  |
|--------------------|----------------------------------|
| Output Signal Type | Voltage Divider (Potentiometric) |
|--------------------|----------------------------------|

Industry Standards

|                         |      |
|-------------------------|------|
| IP Rating               | IP50 |
| Hazardous Area Approval | No   |

Other

|               |             |
|---------------|-------------|
| Repeatability | .02 % of FS |
|---------------|-------------|



|                 |                              |
|-----------------|------------------------------|
| Encoder Drive   | No                           |
| Measuring Cable | 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                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                             |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2023 (233)<br>SVHC > Threshold:<br>Pb (3.5% in Component a)<br>Pb (.4% in Component b)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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>

Compatible Parts



TE Part # CAT-CAPS0065  
Shielded Cable Mini String Pot

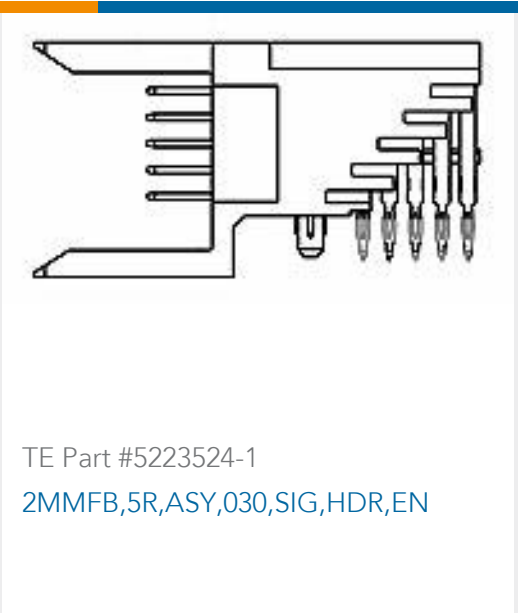


TE Part # CAT-CAPS0066  
Voltage Divider Mini String Pot

Also in the Series | MEAS SM



Customers Also Bought



Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_SM1-25\_1.2d\_dxf.zip
- English
- Customer View Model
- ENG\_CVM\_CVM\_SM1-25\_1.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_SM1-25\\_1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SM1](#)

English