



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: JAN 2024 (240)  
 Candidate List Declared Against: JAN 2023 (233)  
 SVHC > Threshold:  
 Pb (3.5% in Component a)  
 Pb (.4% in Component b)

**Article Safe Usage Statements:**  
 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



Also in the Series | **MEAS SM**



Cable Actuated Position Sensors(8)

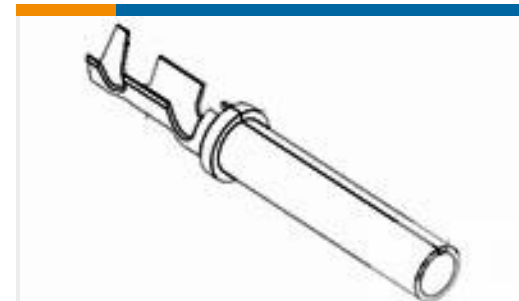
## Customers Also Bought



TE Part # 640706-2  
CONTACT .045 POST PT BRASS



TE Part # 1-1546074-2  
12POS 5.08MM TERMI-BLOK TOP WI



TE Part # 776493-2  
SOC, SF, SIZE 16, 18-20 AWG, NI/SN



TE Part # K1128729  
Battery Disconnecter 35-314-131-S-901



TE Part # YD369-MP66-NP10000  
369 6 WAY SHIELDED PLUG, CRIMP, PIN



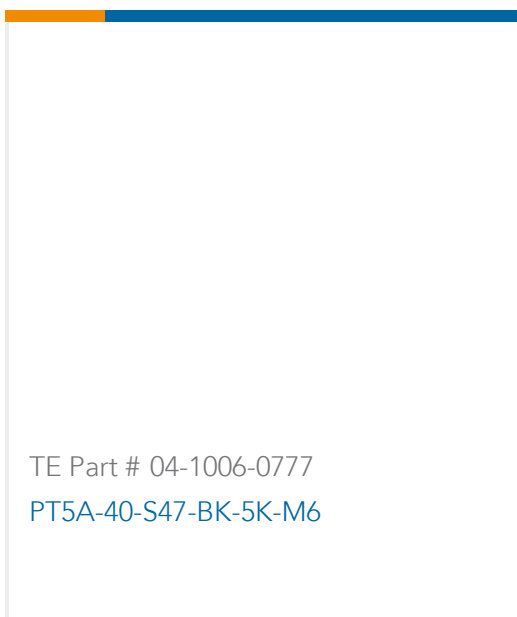
TE Part # 2330274-1  
SSRDC-200D12 = Hokey Puck,12A, 200V DC



TE Part # 2292802-3  
SOC CONN CVR,12POS,AMPSEAL 16, ST,NC16



TE Part # 04-1103-0968  
PT1DC-40-BK-Z10-MC4



TE Part # 04-1006-0777  
PT5A-40-S47-BK-5K-M6

## 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

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## Datasheets & Catalog Pages

[SM1](#)

English