

Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > String Pots - SG1



Position Sensor Product Type: **SG Series String Pots**

Full Stroke Range: **2032 mm [80 in]**

Output Signal Type: **Voltage Divider (Potentiometric)**

Accuracy: **±.35 % of FS**

Repeatability: **.02 % of FS**

[All String Pots - SG1 \(5\)](#)

## Features

### Product Type Features

Position Sensor Product Type	SG Series String Pots
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### Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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### Dimensions

Full Stroke Range	2032 mm[80 in]
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### Usage Conditions

Accuracy	±.35 % of FS
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Operating Temperature Range	-40 - 71 °C[-40 - 160 °F]
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### Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
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### Industry Standards

IP Rating	IP50
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Hazardous Area Approval	No
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### Other

Repeatability	.02 % of FS
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Encoder Drive	No
Measuring Cable	Nylon-Coated Stainless Steel

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
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: JUNE 2023 (235) SVHC > Threshold: Pb (3% in Component) <small>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.</small>
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

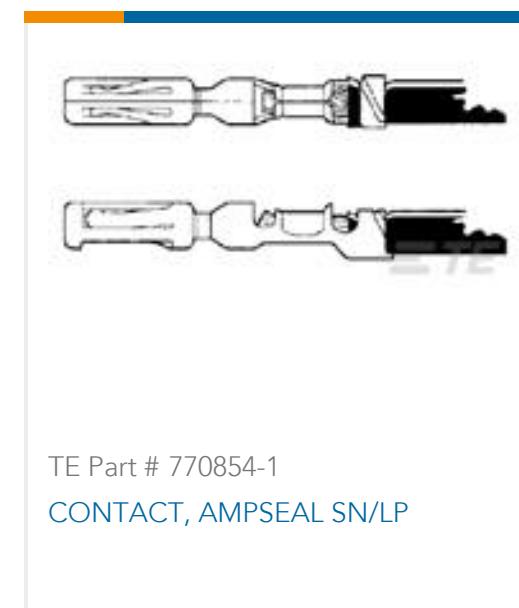
	
TE Part # SG1-120-3 STRING POT, 120 INCH RANGE	TE Part # SKH-250-4 250 IN CANOPEN IP67 STRING POT

Also in the Series | [MEAS SG](#)



Cable Actuated Position Sensors(13)

## Customers Also Bought

TE Part # 5413194-2  
BNC, RT ANG, PCB, JACKTE Part # 5179031-1  
0.8FH,P08H.5,040,08/Sn,TUTE Part # 5227161-7  
RTANG JACK W/MTG PINS, BNC PCBTE Part # 770854-1  
CONTACT, AMPSEAL SN/LPTE Part # 776273-5  
14POS,AMPSEAL,SOC HSG ASSY,SLD, COD 5TE Part # 2213932-2  
SMT TB R/A HEADER, 3.5MM, 2 POSTE Part # 1734510-1  
MINI USB, TYPE B, R/A, T/HTE Part # 63130-2  
SPLICE REC. 1500-5000 .020 BRTE Part # ADP-SMAF-MCXM  
SMA Jack to MCX PlugTE Part # 290051-000  
FLHTC0311-14-6

## Documents

### CAD Files

[3D PDF](#)
[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_SG1-80-3\\_1.2d\\_dxf.zip](#)
[English](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_SG1-80-3\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_SG1-80-3\\_1.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

SG1

English