



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > SE1 String Pot Incremental Encoder



Cable Actuated Position Sensor Product Type: **SP Series, String Pots**

Full Stroke Ranges: **1270 mm, 635 mm [50 in]**

Output Signal: **Incremental Encoder**

Cable Actuated Position Sensor Accuracy: **.1 % of FS**

Repeatability: **.02 % of FS**

[All SE1 String Pot Incremental Encoder \(2\)](#)

Features

Product Type Features

Cable Actuated Position Sensor Product Type	SP Series, String Pots
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Signal Characteristics

Output Signal	Incremental Encoder
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Body Features

Cable Actuated Position Sensor Housing Material	Polycarbonate + Stainless Mounting Bracket
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Usage Conditions

Operating Temperature Range	-10 – 85 °C[14 – 185 °F]
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Operation/Application

Resolution	2.22 ppmmm mm
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Industry Standards

IP Rating	IP50
Hazardous Area Approval	No

Other

Full Stroke Ranges	1270 mm, 635 mm[50 in]
Cable Actuated Position Sensor Accuracy	.1 % of FS

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
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
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 SP](#)



Cable Actuated Position Sensors(22)

Customers Also Bought



TE Part #2-2176338-1
CRGCQ 0402 2K2 5%



TE Part #GA10K3A1A
DISCRETE 10K OHMS, +/-0.1C FROM
0C TO 70C



TE Part #SP3-25
STRING POT 25 INCH RANGE



TE Part #9000451-0005
WASHER, SHIM, PER DWG 650482



TE Part #9085000-0010
POT,10T,5K,0.10%, PER 650573



TE Part #9603820-0001
SUBASSY,CSA BOARD TESTED



TE Part #9604197-0000
SUBASSY,ALUM COVER, MT2A



TE Part #9677811-0002
LEAD SCREW,PT9000,1/4-40



TE Part #9678173-0000
BRACKET,MOUNTING,ALUM,PT9000



TE Part #04-0979-0007
PT9420-0400-111-1110

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_SE1-50_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_SE1-50_A.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_SE1-50_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SE1](#)

English