



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors



Position Sensor Product Type: SG Series String Pots

Full Stroke Range: 3048 mm [120 in]

Output Signal Type: Voltage Divider (Potentiometric)

Accuracy: ±.35 % of FS

Repeatability: .02 % of FS

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	3048 mm[120 in]
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Usage Conditions

Accuracy	±.35 % of FS
Operating Temperature Range	-40 – 71 °C[-40 – 160 °F]

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
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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	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Compliant
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: JUNE 2024 (241) Candidate List Declared Against: JUN 2020 (209) 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

 <div>TE Part # SG1-80-2 STRING POT, 80 INCH RANGE</div>	 <div>TE Part # SG1-120-3 STRING POT, 120 INCH RANGE</div>	<div>TE Part # 9036810-0040 CONN,PLUG,STRGHT,4COND,5M, SC4</div>
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Also in the Series | [MEAS SG](#)



Customers Also Bought



TE Part #40888

RING TERMINAL 20-16 AWG TPBR



TE Part #U5254-000005-030PA

PRESS XDCR U5254-000005-030PA



TE Part #2329386-3

PN OFF/ON FC YLW M1 TERM IP68 500MM LHS



TE Part #2329386-4

PN OFF/ON FC GRE M1 TERM IP68 500MM LHS



TE Part #SG1-80

STRING POT, 80 INCH RANGE



TE Part #SM1-7

STRING POT, 7.5 INCH RANGE



TE Part #650074-000

D-436-36



TE Part #9-1617807-8

TD228-9002S=TDFO 90 SEC M83726 /28-9002S

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_SG1-120-2_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_SG1-120-2_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_SG1-120-2_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

