



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: **0 – 10 VDC, 4 – 20 mA**

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	-18 – 71 °C[0 – 160 °F]

Operation/Application

Output Signal Type	0 – 10 VDC, 4 – 20 mA
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Industry Standards

IP Rating	IP67
Hazardous Area Approval	None

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
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component Part) Pb (18% in Component Part) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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

 <div>TE Part # SGD-80-3 STRING POT, 80 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](#)



Cable Actuated Position Sensors(14)

Customers Also Bought

TE Part #04-1006-0057  
PT5MA-60-S47-UP-420E-M6

TE Part #04-0760-0011  
PT101-0050-111-1110

TE Part #35668  
TERMINAL,SOLIS R 4 1/2

TE Part #04-1103-0003  
PT1MA-10-FR-420E-M6

TE Part #04-0989-0138  
RT9420-0002-121-1110

TE Part #04-1298-0106  
RT8420-0100-111-1210

TE Part #1SNA115177R1400  
M4/6.DE1

TE Part #04-0981-0007  
PT8420-0030-111-1110

TE Part #10209789-00  
CABLE ACTUATED POSITION  
SENSOR

TE Part #M5256-000002-010BG  
PRESS XDCR M5256-000002-010BG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_SGD-120-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_SGD-120-3\_A.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_SGD-120-3\\_A.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[SGD](#)

English