

SG1-120-2  ACTIVE[MEAS | MEAS SG](#)

TE Internal #: SG1-120-2

TE Internal Description: STRING POT, 120 INCH RANGE

String Pots - SG1

[View on TE.com >](#)

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

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**[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	3048 mm[120 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/compliance)>

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: JAN 2024 (240) 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

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



Cable Actuated Position Sensors(13)

Customers Also Bought

TE Part # 350218-1
UMNL PIN 20-14 .0126PTPBRTE Part # 40888
RING TERMINAL 20-16 AWG TPBRTE Part # 2329386-3
PN OFF/ON FC YLW M1 TERM IP68
500MM LHSTE Part # 2329386-4
PN OFF/ON FC GRE M1 TERM IP68
500MM LHSTE Part # 2329386-5
PN OFF/ON FC BLU M1 TERM IP68
500MM LHSTE Part # SG1-80
STRING POT, 80 INCH RANGETE Part # 650074-000
D-436-36TE 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

Datasheets & Catalog Pages

SG1

English

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

SG1-120-2

STRING POT, 120 INCH RANGE

