SP1-12-3 ✔ ACTIVE

MEAS | MEAS SP

TE Internal #: SP1-12-3

TE Internal Description: STRING POT 12 INCH RANGE

IP67 Incremental Encoder

View on TE.com >

Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > IP67 Incremental Encoder



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

Full Stroke Range: **101.6 – 1270 mm [4 – 50 in]**

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

Accuracy: **±.25 % of FS**

Repeatability: **.02 % of FS**

All IP67 Incremental Encoder (4)

Features

Product Type Features

Position Sensor Product Type	SP Series, String Pots

Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket

Dimensions

Full Stroke Range	101.6 – 1270 mm[4 – 50 in]

Usage Conditions

Accuracy	±.25 % of FS
Operating Temperature Range	-40 – 158 °C[-40 – 158 °F]

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)

Industry Standards

IP Rating	IP67

Other

Encoder Drive	No
Repeatability	.02 % of FS

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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.5% in Component Part) **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.
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 # CAT-CAPS0067
IP67 Incremental Encoder

Also in the Series | MEAS SP



Cable Actuated Position Sensors(24)

Customers Also Bought



TE Part #1SNA115177R1400
M4/6.DE1



TE Part #SGD-120-3
STRING POT, 120 INCH RANGE



TE Part #04-0760-0220
PTX101-0010-111-1110



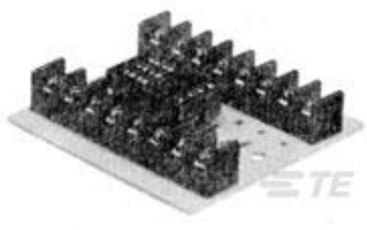
TE Part #SP1-50-3
STRING POT 50 INCH RANGE



TE Part #MAF94300
Dipol,Hepta,SMAM 824-2500MHz,2-3dBi



TE Part #CAT-RDP0001
Ratiometric Rotary Potentiometer



TE Part #1393837-1
27E460=SOCKT,R10,2POLE,PCB, TRCK-MNT,SCRW



TE Part #8-1437621-9
KFS600B1/4=KNOB ALUM BLACK ANO

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_SP1-12-3_1.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_SP1-12-3_1.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_SP1-12-3_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SP1

English