SP1-4 ✔ ACTIVE

MEAS | MEAS SP
TE Internal #: SP1-4
TE Internal Description: STRING POT 4.75 INCH RANGE
IP67 Incremental Encoder

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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 (8)

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 - 71 °C[-40 - 160 °F]

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)

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	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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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 # CAT-CAPS0067

IP67 Incremental Encoder

TE Part # 9036810-0040

CONN,PLUG,STRGHT,4COND,5M, SC4

Also in the Series | MEAS SP

Cable Actuated Position Sensors(22)

Customers Also Bought

TE Part # SP1-25
STRING POT 25.0 INCH RANGE

TE Part # 5-1419102-2
T9AP5D52-24

TE Part # 8-32589-2
TERMINAL,PIDG SPD 12-10 10

TE Part # 1532209-1
M83513/01-AN, MCKS-N1-B-9PS

TE Part # 5-1437622-7
KN5700B1/4=KNOB BLACK PAIR 1/8

TE Part # 1SNK900001R0000
BAM4

TE Part # YDTS20F11-35PDV001
D38999: Square Flange, 11-35 insert

TE Part # 5650870-4
ASSEMBLY,RECEPTACLE,EURO,TYPE

TE Part # 1958523-4
STRATO, R, HR, 6, M6(1/4), NIPL, 60 BEND

Documents

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_SP1-4_1.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_SP1-4_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_SP1-4_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