

SP1-50-3 ✓ ACTIVE

MEAS | MEAS SP

TE Internal #: SP1-50-3

TE Internal Description: STRING POT 50 INCH RANGE

IP67 Incremental Encoder

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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 \(8\)](#)

Features

Product Type Features

Position Sensor Product Type	SP Series, String Pots
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Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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Dimensions

Full Stroke Range	101.6 - 1270 mm[4 - 50 in]
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Usage Conditions

Accuracy	±.25 % of FS
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Operating Temperature Range	-40 - 70 °C[-40 - 160 °F]
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Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
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Industry Standards

IP Rating	IP67
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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>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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: JAN 2023 (233) SVHC > Threshold: Pb (3.9% in Component) <small>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.</small>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

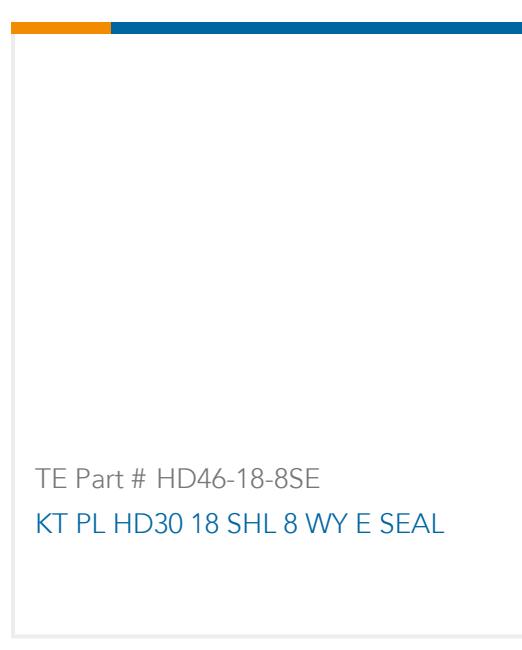


Also in the Series | [MEAS SP](#)



Cable Actuated Position Sensors(22)

Customers Also Bought

TE Part # SGD-80-3
STRING POT, 80 INCH RANGETE Part # SP1-12-3
STRING POT 12 INCH RANGETE Part # 1375820-2
CST-100 II HOUSING 2 POSTE Part # 2176058-8
RLP73V 3A R020 5% 2K RLTE Part # 1-2314103-2
M12 CRIMP CONTACT SOCKET 1MM
AU 0.8AWG22TE Part # 1630186-6
HSA50 25R 5%TE Part # DT06-12SA-E008
PLG, 12P, GRY, N, XCAP, ATE Part # DT12S-BT-BK
BOOT, 12P, PLG, ST, BLKTE Part # HD46-18-8SE
KT PL HD30 18 SHL 8 WY E SEAL

Documents

CAD Files

[3D PDF](#)
[3D](#)

Customer View Model

[ENG_CVM_CVM_SP1-50-3_1.2d_dxf.zip](#)
[English](#)

Customer View Model

[ENG_CVM_CVM_SP1-50-3_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_SP1-50-3_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SP1](#)

English