



Sensors > Position Sensors > Magnetic Sensors



Position Sensor Product Type: **Magnetic Angle Sensor**

Sensor Package: **SO8**

Sensing Range: **0 - 180 °**

Output Signal Type: **Passive Analog**

Typical Signal Amplitude: **11 mV/V**

Features

Product Type Features

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Electrical Characteristics

Typical Operating Voltage	5 V
Typical Average Current	1.6 mA

Usage Conditions

Sensing Range	0 - 180 °
Operating Temperature Range	-40 - 150 °C[-40 - 302 °F]

Operation/Application

Output Signal Type	Passive Analog
Typical Signal Amplitude	11 mV/V

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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: JAN 2023
(233)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # G-MRCO-016
KMT 32B TDFN ROHS

TE Part # G-MRCO-048
KMT39/TD TDFN ROHS

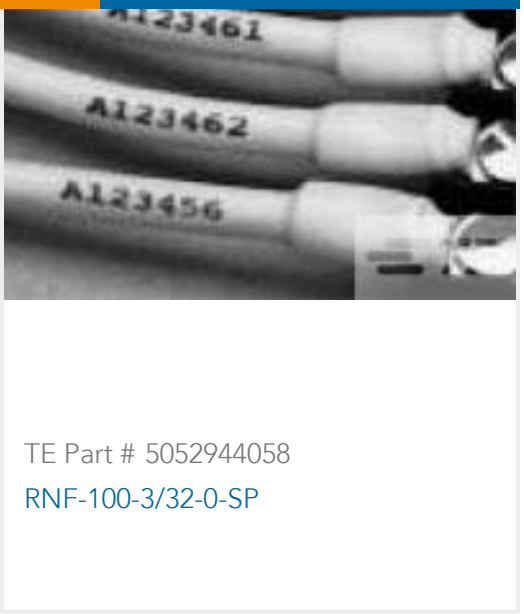
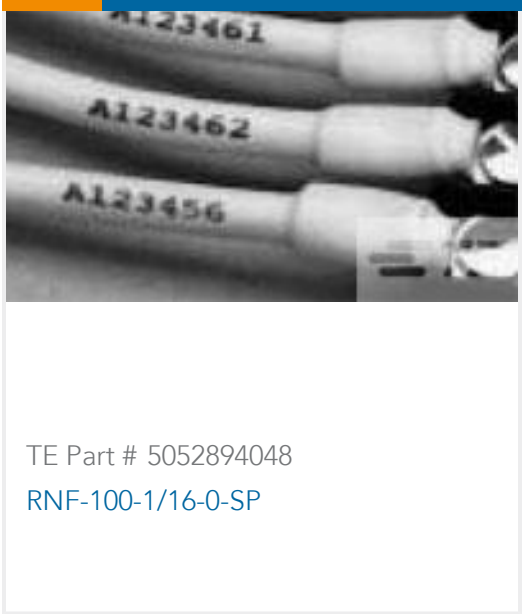
TE Part # G-MRCO-017
CO MS32 8L TDFN 2,5x2,5 SWITCH ANALOG

Also in the Series | MEAS KMT

Magnetic Sensors(3)

Customers Also Bought



 TE Part # DTP04-2P REC, 2P, GRY, N	 TE Part # 280509-2 2X09 POS .100DR MODU-	 TE Part # 280521-2 2X12P MODU II SHRD HDR, ST, 0.38AU	 TE Part # 5-103669-3 04 MTE HDR SRST LATCH W/HLDWN
 TE Part # 280385-2 2X8P AMPMODU II SHRD HDR,ST,0.38 AU	 TE Part # 61867-2 RING CRIMP 18-14 AWG TPBR	 TE Part # 5052944058 RNF-100-3/32-0-SP	 TE Part # 1011-310-0205 CLIP, PA66, BLK, FIR-TREE, ST
 TE Part # 1060-16-0122 PIN, SF, SIZE 16, 14-18, NI/SN	 TE Part # 5052894048 RNF-100-1/16-0-SP		

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_G-MRCO-037_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_G-MRCO-037_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_G-MRCO-037_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

KMT37 Data Sheet

English