



Sensors > Position Sensors > Magnetic Sensors



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

Magnetic Sensor Package: **SO8**

Sensing Range: **0 – 180 °**

Signal Output: **Passive Analog**

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

Features

Product Type Features

Magnetic Sensor Product Type	Magnetic Angle Sensor
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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

Signal Output	Passive Analog
Typical Signal Amplitude	11 mV/V

Packaging Features

Magnetic Sensor Package	SO8
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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: JUNE 2023 (235)

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-048
KMT39/TD TDFN ROHS



TE Part # G-MRCO-016
KMT 32B TDFN ROHS

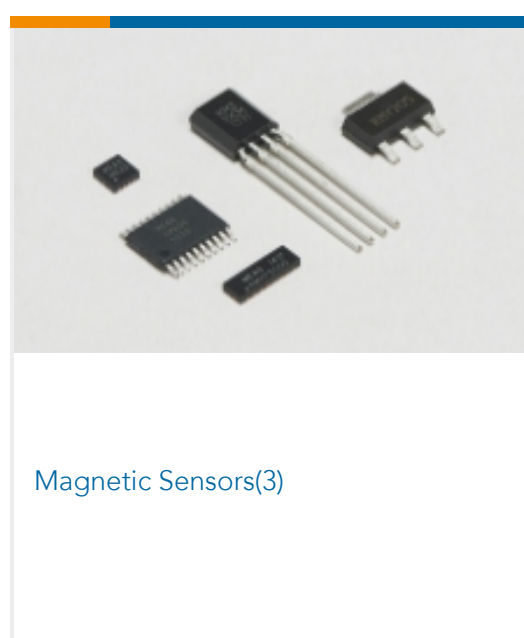


TE Part # G-MRCO-017
CO MS32 8L TDFN 2,5x2,5 SWITCH ANALOG



TE Part # G-MRMO-031
KMA36 DIGITAL MR POSITION SENSOR

Also in the Series | MEAS KMT



Magnetic Sensors(3)

Customers Also Bought



TE Part #5499910-3
A/L UNIV HDR 16P VERT SHT LAT



TE Part #1924487-3
MOUNTING CLIP, AMPSEAL 16



TE Part #3-1393789-7
V23079A2003B301



TE Part #5-103669-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103669-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103669-3
04 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103669-2
03 MTE HDR SRST LATCH W/HLDWN



TE Part #61397-1
RING TERMINAL CRIMP 18-14 AWG
TPBR



TE Part #1011-120-0205
SEAL RET, 2P, GRY, DTP



TE Part #4-2176453-4
CPF 0201 16K2 0.1% 25ppm 1K RL

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

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Datasheets & Catalog Pages

KMT37 Data Sheet

English