



Sensors > Position Sensors > Tilt Sensors & Inclinometers > AXISENSE-2 Dual Axis Tilt Sensors



Measurement Principle: MEMS

Sensor Package: Plastic Housing

Measurement Axes: Dual Axis

Measurement Ranges: up to +/- 90 °

Housing Width: Up to 70 mm

[All AXISENSE-2 Dual Axis Tilt Sensors \(2\)](#)

Features

Product Type Features

Sensor Package	Plastic Housing
Interface Signal Type	Digital

Configuration Features

Electrical Connection	Connector TE/AMP
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Electrical Characteristics

Supply Voltage	8 – 30 VDC
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Body Features

Product Orientation	Horizontal
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Dimensions

Resolution	up to +/- .01 °
Measurement Ranges	up to +/- 90 °
Housing Width	Up to 70 mm
Accuracy	up to +/- .3 °

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Measurement Principle	MEMS
Operation/Application	
Output Interface	CAN J1939
Industry Standards	
IP Rating	IP67
Other	
Measurement Axes	Dual Axis

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: JAN 2025 (247) SVHC > Threshold: Pb (100% in M-12339-8) Triphenyl phosphate (TPP) (.4% in M-40911-1) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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 # 10220742-00

AXISENSE-2 CAN J1939-90D 0x80 - 0xF7 HAU

TE Part # 282088-1

AMP SUPERSEAL 1.5 SERIES 4P PL

Also in the Series | MEAS AXISENSE-2

Tilt Sensors & Inclinometers(2)

Customers Also Bought

TE Part #CAT-D48-ST273

DEUTSCH Solid Contacts

TE Part #CAT-D487-W416

Wedgelocks: DEUTSCH DT

TE Part #DT06-2S

PLG, 2P, GRY, N

TE Part #DT04-2P

REC, 2P, GRY, N

TE Part #114017-ZZ

SEALING PLUG, SIZE 12/16, WHT

TE Part #281934-2

SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172

AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_10202069-00_1.2d_dxf.zip
- English



Customer View Model

[ENG_CVM_CVM_10202069-00_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_10202069-00_1.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English