40A-2000-120 ✔ ACTIVE

MEAS | MEAS 40A

TE Internal #: 20009916-00

MEMS Accelerometer, Uniaxial Sensing, Screw Mount, MEAS 40A

View on TE.com >

Sensors > Vibration Sensors



Accelerometer Type: **MEMS DC**

Vibration Sensor Product Type: **MEMS Accelerometer**

Number of Sensing Axes: **Uniaxial**

Frequency Response: **0-2000 to 0-5000 Hz**

Full Scale Output Voltage: **±.15 VDC**

Features

Product Type Features

Sensor Package	Plug & Play
Accelerometer Type	MEMS DC
Vibration Sensor Product Type	MEMS Accelerometer

Configuration Features

Electrical Connection	Integral Cable

Electrical Characteristics

Excitation Voltage Range	10 VDC
Zero Acceleration Output	±20 mV
Full Scale Output Voltage	±.15 VDC

Signal Characteristics

Frequency Response	0-2000 to 0-5000 Hz

Body Features

	.175 oz
Primary Product Material	Anodized Aluminum
Number of Sensing Axes	Uniaxial

Mechanical Attachment

Sensor Mount Type	Screw Mount

Usage Conditions

Operating Temperature Range	-20 – 80 °C[-4 – 176 °F]

Operation/Application

Output Current Type	DC

Industry Standards

IP Rating	IP65

Other

Non-Linearity (FSO)	±1 %
Acceleration Range (±)	2000 g
Sensitivity	.075 mV/g

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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) Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 20013186-00
40A-0250-360-001

Also in the Series | MEAS 40A



MEMS Accelerometers(11)



Vibration Sensors(11)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #DT04-2P
REC, 2P, GRY, N



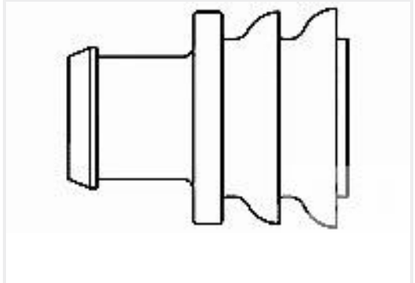
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



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_20009916-00_V.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_20009916-00_V.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_20009916-00_V.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

40A_Accelerometer

English