



Sensors > Force Sensors > Force Load Cells > PIEZO-RESISTIVE LOAD CELL 10-2000 LBF



Force Load Cell Sensor Type: OEM Compression Load Cells

Force Direction: Compression

Full Scale Range: 0 – 10 lbf

Operating Temperature Range: -40 – 120 °C [-40 – 248 °F]

[All PIEZO-RESISTIVE LOAD CELL 10-2000 LBF \(12\)](#)

Features

Product Type Features

Force Load Cell Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Full Scale Range	0 – 10 lbf
Supply Voltage Range	5 VDC

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
Accuracy	±.25 % of FS

Operation/Application

Output Signal Type	20 mV/V
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Industry Standards

IP Rating	IP65
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Other

Force Direction	Compression
Zero Shift in CTR	±.03 %FS/°C
Sensitivity Shift	±.03 %FS/°C

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Dodecamethylcyclhexasiloxane (D6) (.85% in component part) Article Safe Usage Statements: Wash thoroughly after handling. 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



Also in the Series | MEAS ELAF



Force Load Cells(15)

Customers Also Bought



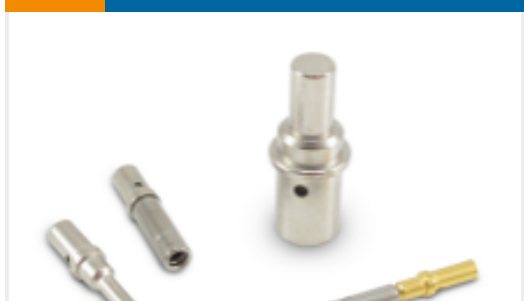
TE Part #DT04-2P
REC, 2P, GRY, N



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



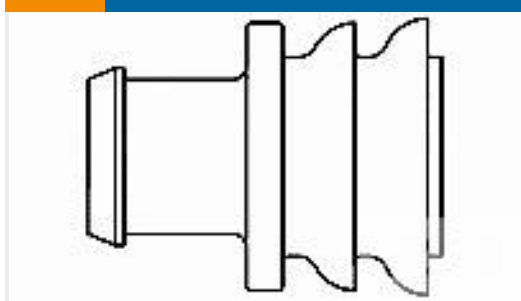
TE Part #W2S
Wedgelocks: DEUTSCH DT



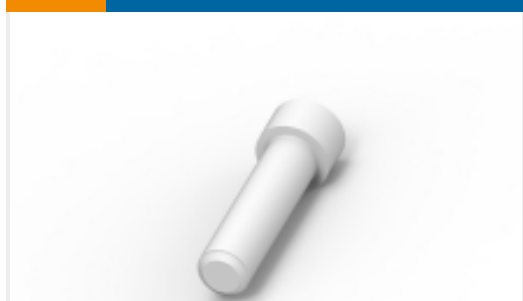
TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ELAF-50N-C30001_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ELAF-50N-C30001_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ELAF-50N-C30001_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

ELAF

English

