



Sensors > Force Sensors > Compact Compression Load Cell



Force Sensor Type: OEM Compression Load Cells

Force Direction: Compression

Full Scale Range: 100 lbf

Operating Temperature Range: 0 – 50 °C [ 32 – 122 °F ]

Supply Voltage Range: 5 VDC

[All Compact Compression Load Cell \(46\)](#)

Features

Product Type Features

|                   |                            |
|-------------------|----------------------------|
| Force Sensor Type | OEM Compression Load Cells |
|-------------------|----------------------------|

Electrical Characteristics

|                      |         |
|----------------------|---------|
| Full Scale Range     | 100 lbf |
| Supply Voltage Range | 5 VDC   |

Usage Conditions

|                             |                        |
|-----------------------------|------------------------|
| Operating Temperature Range | 0 – 50 °C[32 – 122 °F] |
| Accuracy                    | ±1 % of FS             |

Operation/Application

|                    |         |
|--------------------|---------|
| Output Signal Type | 20 mV/V |
|--------------------|---------|

Other

|                   |             |
|-------------------|-------------|
| Force Direction   | Compression |
| Zero Shift in CTR | ±.05 %FS/°C |
| Sensitivity Shift | ±.05 %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                   | Out of Scope  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content  |
| Solder Process Capability                     | Not reviewed for solder process capability  |

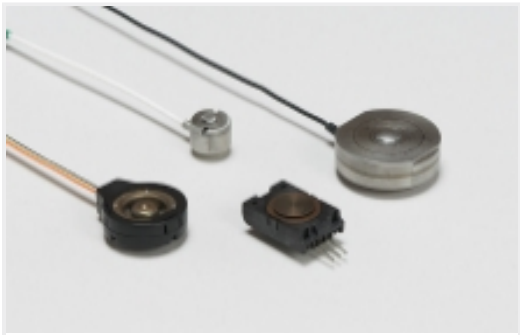
Product Compliance Disclaimer

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



Also in the Series | MEAS FX29



Force Sensors(46)

Customers Also Bought

TE Part #CAT-FSE0002  
COMPRESSION LOAD CELL - 100MV / 0.5-4.5V

TE Part #T2070011008-000  
DAM-08

TE Part #T2070012008-000  
DAF-08

TE Part #878495-000  
202K132-25-0

TE Part #20009605-02  
FX292X-040B-0050-L

TE Part #130171  
TERMINAL, PIDG, RT, 12-10 AWG, M5

TE Part #1622383-1  
LR1 1% 20R

TE Part #1-1734248-5  
1.0 FPC, ZIF V/T, SMT, 15P

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_20009605-03\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_20009605-03\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_20009605-03\_D.3d\_stp.zip

English

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

Datasheets & Catalog Pages

FX29 COMPRESSION LOAD CELL

English

