



Sensors > Force Sensors > Compact Compression Load Cell



Force Sensor Type: OEM Compression Load Cells

Force Direction: Compression

Full Scale Range: 10 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     | 10 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: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.13% in Component Part) |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                                                                                                      |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                                                                                                |

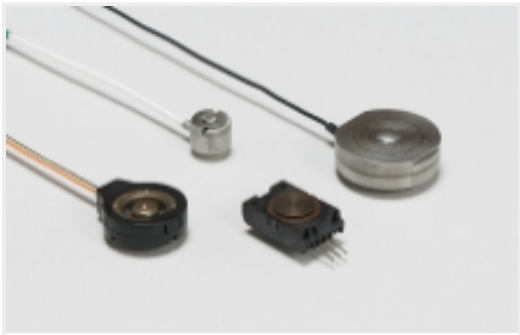
Product Compliance Disclaimer

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 FX29



Force Sensors(46)

Customers Also Bought



TE Part #811704-SF  
FN9264B-6-06



TE Part #TAX3882A202-004  
RPC-M12X-8MS-3.0SH-M12X-8MR-TPE



TE Part #61-0193-011-P00  
CONTACT PIN 2 MM



TE Part #66400-4  
III+ PIN,24-20,30AU/FL,LP



TE Part #1-111623-8  
10, 2MM, POL,30 DP, LEAD FREE



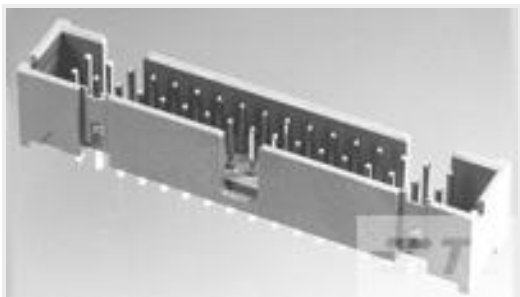
TE Part #208487-1  
CMC RECEPTACLE ASSY,SIZE 22



TE Part #2-1658527-0  
622-1230LF=FSKT IDC S 12 30AU



TE Part #1-2267795-3  
CA, MTE FOW-FOW, 4POS, 300mm  
15Au, 24AWG



TE Part #5104338-1  
A/L LOW PRO HDR 10P VERT HT



TE Part #1986714-6  
PWR TB 2PIN 6P,15.00 PCB W/PEG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_20009605-00\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_20009605-00\_D.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_20009605-00\\_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