

Sensors > Force Sensors > Force Sensor Elements > Compression Load Cell - 0.5-4.5V



Force Sensor Type: OEM Compression Load Cells

Full Scale Range: 15 Nm

Operating Temperature Range: -40 - 85 °C [ -40 - 185 °F ]

Output Signal Type: 1 - 4 V

[All Compression Load Cell - 0.5-4.5V \(14\)](#)

## Features

### Product Type Features

Force Sensor Type

OEM Compression Load Cells

### Electrical Characteristics

Supply Voltage Range

5 VDC

Full Scale Range

15 Nm

### Usage Conditions

Accuracy

±1 % of FS

Operating Temperature Range

-40 - 85 °C [-40 - 185 °F]

### Operation/Application

Output Signal Type

1 - 4 V

### Other

Zero Shift in CTR

±.05 % of FS

Sensitivity Shift

±.05 % of FS

Force Direction

Compression

### 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	<p>Current ECHA Candidate List: JAN 2024 (240)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC &gt; Threshold:</p> <ul style="list-style-type: none"> <li>Decamethylcyclopentasiloxane (D5) (.12% in Adhesive)</li> <li>Dodecamethylcyclohexasiloxane (D6) (.26% in Adhesive)</li> <li>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Solder Mask)</li> </ul> <p><b>Article Safe Usage Statements:</b> Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

#### Product Compliance Disclaimer

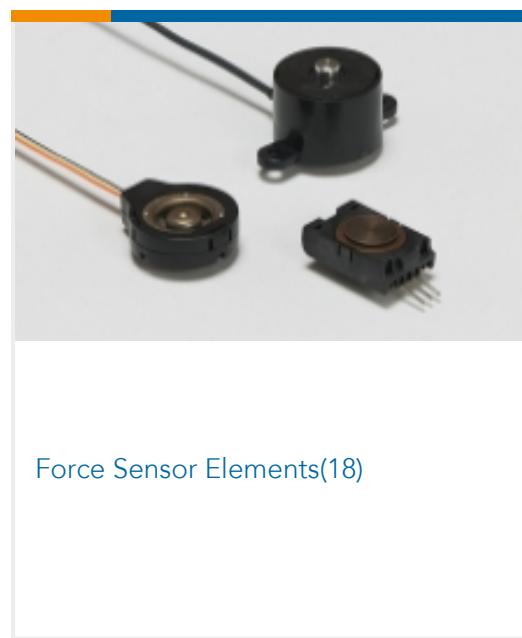
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



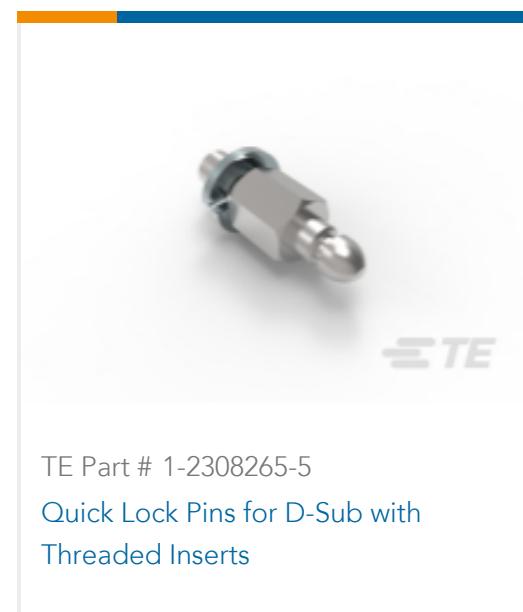
TE Part # CAT-FSE0004  
Compression Load Cell - 0.5-4.5V

## Also in the Series | MEAS FS20



Force Sensor Elements(18)

## Customers Also Bought

TE Part # 206151-1  
23-37 RECEPT STD SEXTE Part # 1-2308265-5  
Quick Lock Pins for D-Sub with  
Threaded InsertsTE Part # 66601-1  
III+ SKT,18-14,TIN-LEAD,LPTE Part # 130205  
PIDG RINGTE Part # 150492  
TERM, RT, STRAT, DGRP, HR, 22-16, M3.5(#6)TE Part # 2350397-2  
2 POS SPRING TB PLUG, PITCH 5.00TE Part # 1-2176345-6  
CRGCQ 1210 180R 1%TE Part # 1102855-1  
AWZG-HD.M-RSZTE Part # 2350397-6  
6 POS SPRING TB PLUG, PITCH 5.00

## Documents

### CAD Files

[3D PDF](#)
[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_FS2050-0000-1500-G\\_F.2d\\_dxf.zip](#)
[English](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_FS2050-0000-1500-G\\_F.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_FS2050-0000-1500-G\\_F.3d\\_stp.zip](#)

English

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

**Datasheets & Catalog Pages**

[FS20](#)

English