



MEAS | MEAS FC

TE Internal #: FC2331-0000-0500-L

TE Internal Description: FC23 AMPLIFIED 2FT CABLE 500L

COMPRESSION LOAD CELL - 100MV / 0.5-4.5V

[View on TE.com >](#)

Sensors > Force Sensors > Force Sensor Elements > COMPRESSION LOAD CELL - 100MV / 0.5-4.5V



Force Sensor Element Sensor Type: **OEM Compression Load Cells**

Full Scale Range: **500 lbf**

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

Output Signal: **.5 – 4.5 V, .5 – 4.5 V**

Zero Shift in CTR: **±.05 % of FS**

[All COMPRESSION LOAD CELL - 100MV / 0.5-4.5V \(16\)](#)

## Features

### Product Type Features

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

### Electrical Characteristics

|                  |         |
|------------------|---------|
| Supply Voltage   | 5 VDC   |
| Full Scale Range | 500 lbf |

### Signal Characteristics

|               |                        |
|---------------|------------------------|
| Output Signal | .5 – 4.5 V, .5 – 4.5 V |
|---------------|------------------------|

### Usage Conditions

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

### Other

|                   |              |
|-------------------|--------------|
| Accuracy          | ±1 % of FS   |
| Force Direction   | Compression  |
| Zero Shift in CTR | ±.05 % of FS |
| Sensitivity Shift | ±.05 % of FS |

## 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 2023 (235)<br>Candidate List Declared Against: JAN 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| Solder Process Capability                     | Not reviewed for solder process capability   |

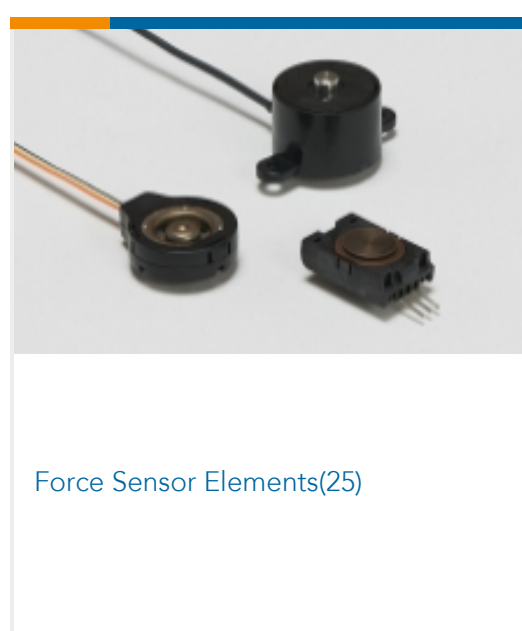
Product Compliance Disclaimer

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



## Also in the Series | MEAS FC



## Customers Also Bought



TE Part #205204-8  
HDP-20, PLUG, SIZE 1, 9 POSN



TE Part #6-66506-1  
20 DF PIN CONT, SMALL PACK



TE Part #35273  
TERMINAL, PIDG R 12-10 1/4



TE Part #5747238-4  
25 MSFL PLUG RA 318 (IN, FM)



TE Part #33695  
TERMINAL, BUDG R 26-22 2



TE Part #5205820-2  
WASHER, FLAT #4, PLATED



TE Part #M5256-00000E-006BG  
Compact Industrial Pressure Transducer



TE Part #4-1393248-4  
W33-T4B1Q-15=W33



TE Part #02560549-006  
LVDT XS-C 499 MC ASSY

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_FC2331-0000-0500-L\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FC2331-0000-0500-L\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_FC2331-0000-0500-L\\_F.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

FC23

English

FC2331-0000-0500-L

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