



MEAS | MEAS FC

TE Internal #: FC2311-0000-1000-L

TE Internal Description: FC23 MV 2FT CABLE 1000L

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: **0 – 1000 lbf**

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

Output Signal: **20 mV/V**

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

Features

Product Type Features

Force Sensor Element Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Supply Voltage	5 VDC
Full Scale Range	0 – 1000 lbf

Signal Characteristics

Output Signal	20 mV/V
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Usage Conditions

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

Accuracy	±1 % of FS
Protection Index	IP65
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 2022 (224) Candidate List Declared Against: JUN 2018 (191) 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>

Also in the Series | MEAS FC



Force Sensor Elements(25)

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_FC2311-0000-1000-L_F1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FC2311-0000-1000-L_F1.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_FC2311-0000-1000-L_F1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

FC23

English