FC2331-0000-0500-L ✔ ACTIVE

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 Type: **OEM Compression Load Cells**

Full Scale Range: **500 lbf**

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

Output Signal Type: **.5 - 4.5 V**

All COMPRESSION LOAD CELL - 100MV / 0.5-4.5V (16)

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells

Electrical Characteristics

Supply Voltage Range	5 VDC
Full Scale Range	500 lbf

Usage Conditions

Accuracy	±1 % of FS
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]

Operation/Application

Output Signal Type	.5 - 4.5 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	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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

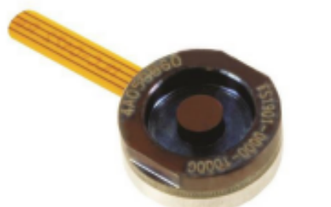
Product Compliance Disclaimer

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



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



TE Part # FS1901-0000-3000-G
3000G COMPRESSION SENSOR

Also in the Series | MEAS FC

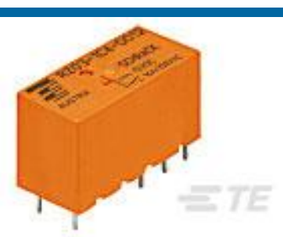


Force Sensor Elements(25)

Customers Also Bought



TE Part # FC2311-0000-0500-L
COMPRESSION LOAD CELL - 100MV / 0.5-4.5V



TE Part # 1-1415899-6
RZ03-1A4-D012



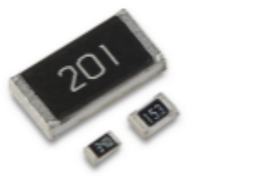
TE Part # 2-2176231-4
3522 91R 1% 3W



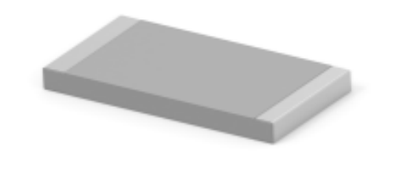
TE Part # 1437652-1
6PCR-08-008=6 SERIES ASSEMBLY



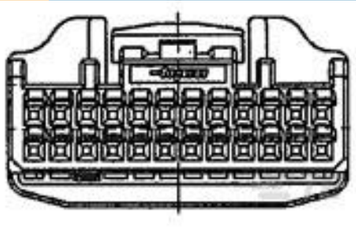
TE Part # 1623285-1
CRG0805 1% 7K5



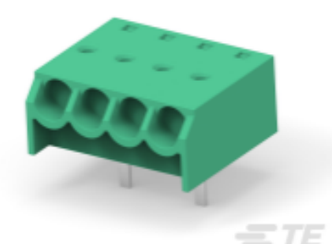
TE Part # 2176329-1
CRGP 1210 10R 1%



TE Part # 2-2176331-9
CRGP 2512 2K2 1%



TE Part # 1565380-1
025 28POS PLUG ASSY



TE Part # 1-2834019-4
4POS 3.5MM THTS CONN.

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 Conditionsof use.

Datasheets & Catalog Pages

FC23

English