



Sensors > Force Sensors > Force Sensor Elements



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

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells
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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
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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: JUNE 2024 (241)
Candidate List Declared Against: JUNE 2023 (235)
SVHC > Threshold:
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Component Part)

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 # FS2050-0000-1500-G
FS2050 COMPRESSION LC1500 GRAM



TE Part # FS2030-000X-0500-G
FS2030 500G FORCE SENSOR

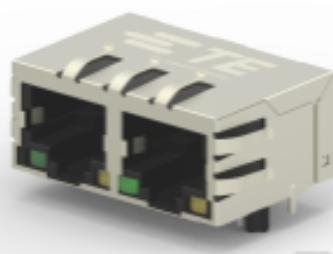
Also in the Series | MEAS FS20



Force Sensor Elements(18)

Customers Also Bought



 TE Part #1717254-4 EMBOSS ASSY DDR2 SODIMM SOCKET 200P 5.2H	 TE Part #926301-1 8P UNIV.M-N-L.PLUG	 TE Part #3-1879215-1 CPF 0402 8K45 0.1% 25PPM 1K RL	 TE Part #5-2301996-8 RJ45 JACK INT.MAG. 1GB LED 1X2
 TE Part #2-2316113-2 2MM,REC,CNT,CRIMP,24-28AWG,TIN, APPL	TE Part #EM6730-001 FEP-140-141-008-X-4IN-CS	TE Part #EM6748-001 FEP-183-182-003-X-4IN-CS	TE Part #EM7805-001 FEP-194-184-006-X-3.63IN-CS
TE Part #EM7807-001 FEP-224-231-013-X-4.95IN-CS	TE Part #EM7868-001 FEP-178-183-012-X-5IN-CS		

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_FS2050-000X-1500-G_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_FS2050-000X-1500-G_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_FS2050-000X-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