



Sensors > Force Sensors > Force Sensor Elements > Compact Compression Load Cell



Force Sensor Type: OEM Compression Load Cells

Full Scale Range: 50 lbf

Operating Temperature Range: 0 – 50 °C [32 – 122 °F]

Output Signal Type: 14 Bit I2C

[All Compact Compression Load Cell \(46\)](#)

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Supply Voltage Range	3 VDC
Full Scale Range	50 lbf

Usage Conditions

Accuracy	±1 % of FS
Operating Temperature Range	0 – 50 °C[32 – 122 °F]

Operation/Application

Output Signal Type	14 Bit I2C
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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
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EU ELV Directive 2000/53/EC	Compliant
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: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.


Compatible Parts



TE Part # CAT-FSE0006

Compact Compression Load Cell


Also in the Series | MEAS FX29




Force Sensor Elements(46)




Customers Also Bought




TE Part #FC2231-0000-0050-L
MID RANGE COMPRESSION SENSOR



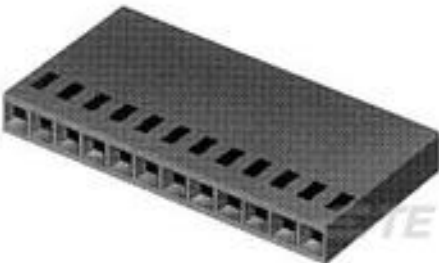
TE Part #NB-PTCO-006
Pt1000, 2.0x2.3, Class B, PTFC102B1G0




TE Part #8-2176230-6
3522 10M 5% 3W



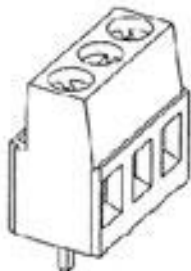
TE Part #4-1879378-1
TLR 2512 2.0W R0025 1% 150PPM 2K RL




TE Part #1-87499-0
05 MODIV HSG COMP SR .100CL



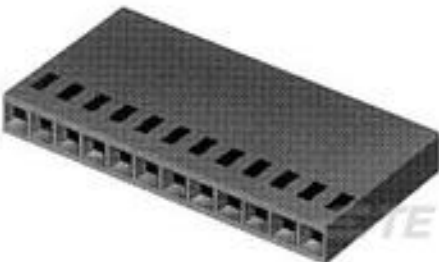
TE Part #87499-3
02 MODIV HSG SR MRKD .100CL




TE Part #282843-2
TERMI-BLOK PCB MOUNT 90 2P.1



TE Part #796739-2
2 POS PCB MT 9.52MM HI CRT TBK



TE Part #87499-6
03 MODIV HSG COMP SR .100CL



TE Part #87499-8
04 MODIV HSG COMP SR .100CL

Documents

Datasheets & Catalog Pages
FX29 COMPRESSION LOAD CELL
English