EFN24-100KN-C00001 ✔ ACTIVE

MEAS | MEAS FN2420

TE Internal #: EFN24-100KN-C00001

TE Internal Description: FN2420-A1-100KN

High Accuracy Compression Load Cell

View on TE.com >

Sensors > Force Sensors > High Accuracy Compression Load Cell



Force Sensor Type: **Force Load Cells**

Force Direction: **Compression**

Full Scale Range: **0 – 22500 lbf**

Operating Temperature Range: **-20 – 80 °C [-4 – 176 °F]**

All High Accuracy Compression Load Cell (8)

Features

Product Type Features

Force Sensor Type	Force Load Cells

Electrical Characteristics

Full Scale Range	0 – 22500 lbf
Supply Voltage Range	10 – 30 VDC

Usage Conditions

Operating Temperature Range	-20 – 80 °C[-4 – 176 °F]
Accuracy	±.25 % of FS

Operation/Application

Output Signal Type	.5 – 4.5 V

Industry Standards

IP Rating	IP50

Other

Force Direction	Compression
Zero Shift in CTR	±.5/50 %FS/°C
Sensitivity Shift	±1/50 %FS/°C

Product Compliance

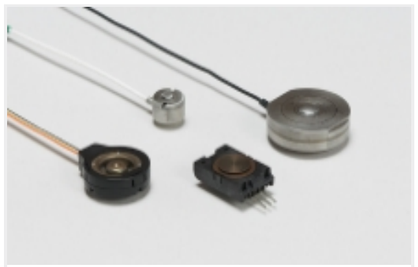
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 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 FN2420



Force Sensors(8)

Documents

Datasheets & Catalog Pages

FN2420

French

FN2420

English