



FEATURES

- Protected against overload
- Tension only
- Usable without cutting the belt
- For Static and Dynamic Applications

APPLICATIONS

- Automotive crash test
- Kid seats tests
- Security belts controls
- Laboratory and Research

FN4055

Low Ranges Seat Belt Load Cell

SPECIFICATIONS

- Ranges from 100 to 300 N (20 to 60 lbf)
- Compatible with most seat belts
- Machined with integrated mechanical stops
- Accuracy $\pm 0.25\%FS$

TE CONNECTIVITY has applied our decade of experience serving the automotive crash test industry to design the ultimate crash test seat belt restraint sensor.

The **FN4055** measures with excellent accuracy the forces exerted on the seat belt. Only the actual compression upon the seat belt is measured, as the sensor is insensitive to contact from the crash test dummy. The unit is designed for very low range, like tests for kid's security. It is protected against overload by mechanical stops.

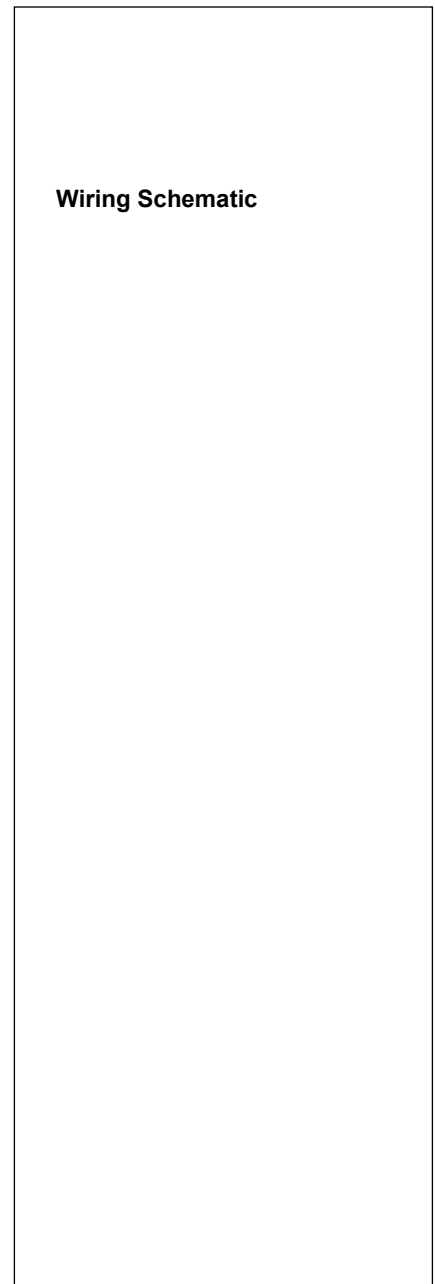
A similar sensor, **EL20-S458**, covers requests with higher ranges up to 25kN.

With many years of experience as a designer and manufacturer of sensors, TE CONNECTIVITY often works with customers to design or customize sensors for specific uses and testing environments.

On request, Instruction documents can be provided to ease the selection and use of our sensors and provide helpful tips.



DIMENSIONS



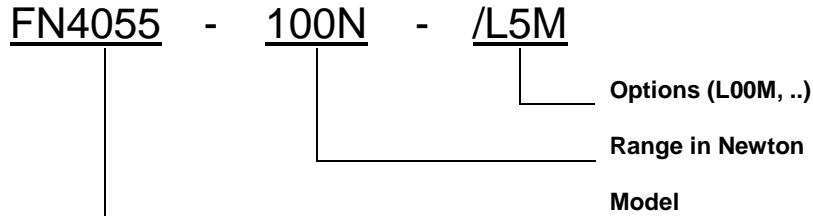
FN4055

Seat belt load cell

OPTIONS AND ACCESSORIES

L00M: Special Cable Length, replace "00" with total length in meter (Specified only on units with N range.)

ORDERING INFORMATION



NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity Company
Phone: +1 800 522 6752
Email: customercare.frm@te.com

EUROPE

Measurement Specialties (Europe), Ltd.
a TE Connectivity Company
Phone: +31 73 624 6999
Email: customercare.lcsb@te.com

ASIA

Measurement Specialties (China), Ltd.,
a TE Connectivity Company
Phone +86 400 820 6015
Email: customercare.shzn@te.com

TE.com/sensorsolutions

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