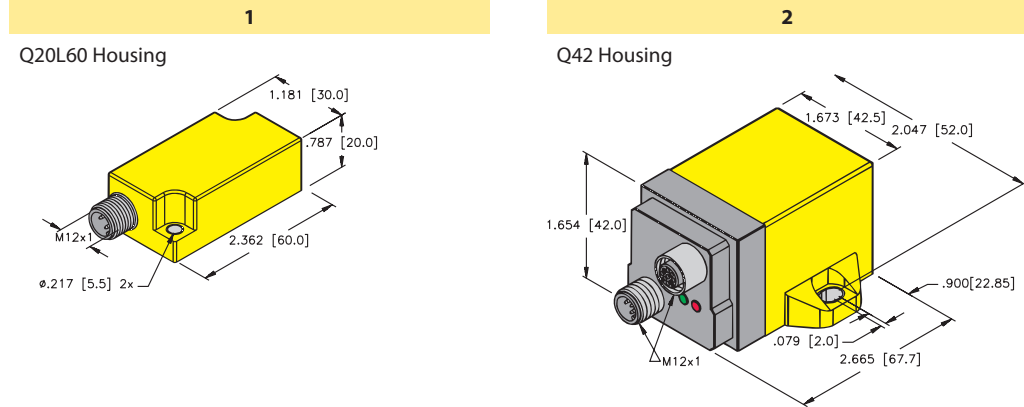
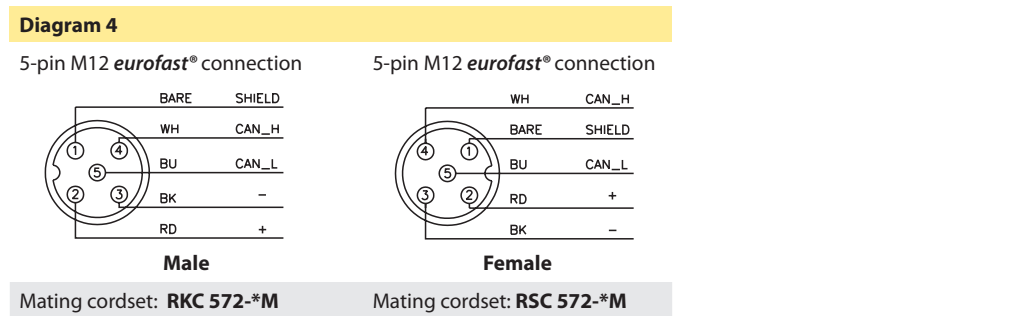
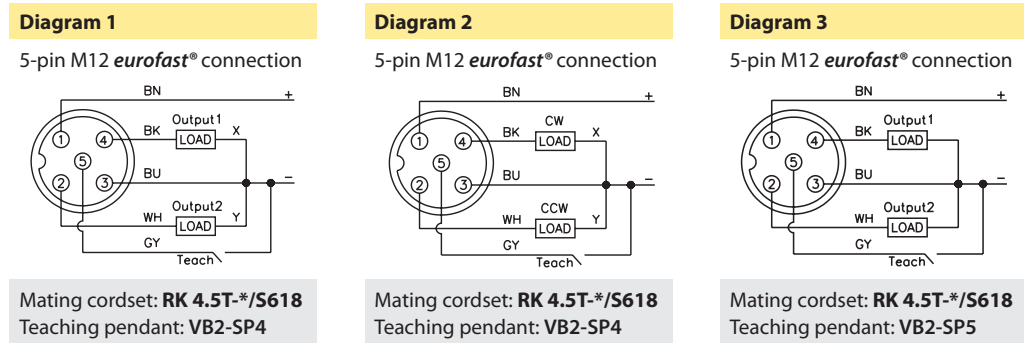


Dimensional Drawings

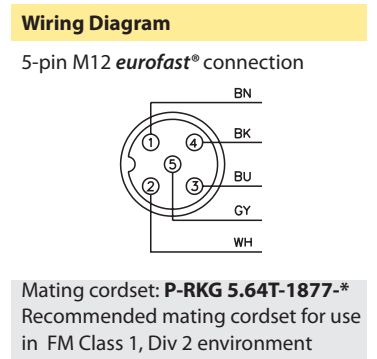
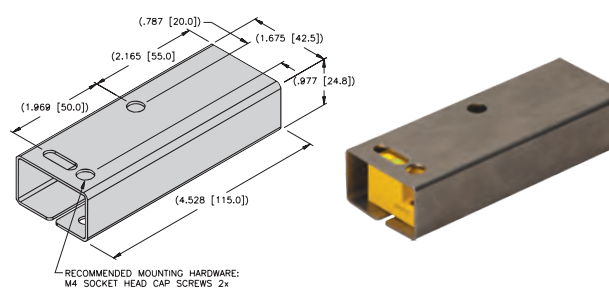


Wiring Diagrams



Accessories

Guard - Q20L60, required for use with an inclinometer to maintain FM approval in a Class 1, Div 2 environment



* Length in meters. Standard cable lengths are 2, 5, 10 and 15 meters. Consult factory for other lengths.



USA
TURCK
3000 Campus Drive
Minneapolis, MN 55441
Phone: (763) 553-7300
Fax: (763) 553-0708
Application Support:
1-800-544-7769



MEXICO
TURCK MEXICO S. DE R.L. DE C.V.
Carr. Saltillo-Zacatecas km 4.5 s/n
Parque Industrial "La Angostura"
Saltillo, COAH. C.P. 25070
Mexico
Phone: +52 (844) 411-6647/46
Fax: +52 (844) 482-6926
Local Toll Free: 01-800-01-88725
E-mail: ventasmexico@turck.com



CANADA
CHARTWELL AUTOMATION, INC.
140 Duffield Drive
Markham, Ontario
Canada, L6G 1B5
Phone: (905) 513-7100
Fax: (905) 513-7101
Toll Free: 1-877-513-7769



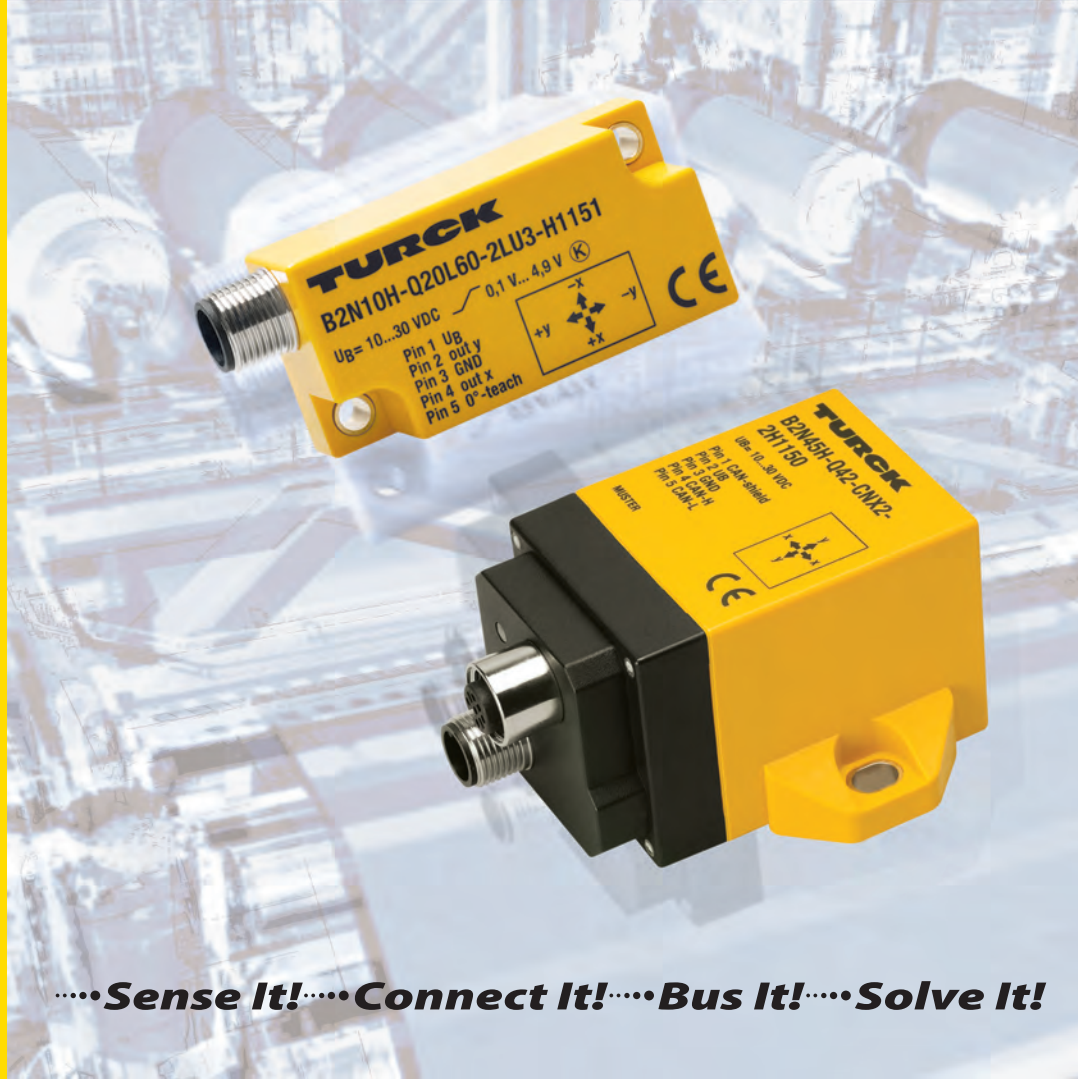
GERMANY
WORLD HEADQUARTERS
Hans TURCK GmbH & Co. KG
Witzlebenstrasse 7
D-45472 Muelheim an der Ruhr
Federal Republic of Germany
Phone: (+49) 208-49 52-0
Fax: (+49) 208-49 52 264



AUSTRALIA
TURCK Australia Pty. Ltd.
Unit 5, 6-7 Gilda Court
Mulgrave, Victoria 3170
Australia
Phone: (+61) 3 9560 9066
Fax: (+61) 3 9560 1620
Local Toll Free: 1300 132566
E-mail: turckaustralia@turck.com

www.turck.com

©2011 by TURCK Inc. All rights reserved.
No part of the publication may be reproduced without written permission.



.....Sense It!.....Connect It!.....Bus It!.....Solve It!

TURCK
works

Industrial
Automation

INCLINOMETERS

www.turck.us

WHAT IS AN INCLINOMETER?

Inclinometers measure angular tilt in reference to gravity. TURCK inclinometers contain a MEMS (Micro-Electro-Mechanical System) device that incorporates a microelectromechanical capacitive element into the sensor that utilizes two parallel plate electrodes, one stationary and one attached to a spring-mass system. The suspended electrode is free to move with the change in angle relative to earth's gravity. This results in a measurable change in the capacitance between the two plates that is proportional to the angle of deflection.

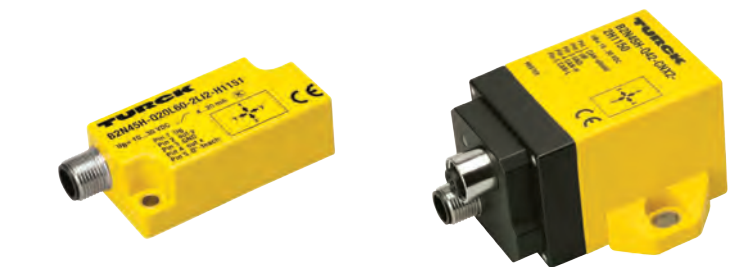
The microprocessor design and the MEMS technology allows for a compact, precise inclinometer in a very robust, industrialized package. The inclinometer carries an IP68 rating for ingress protection, and can operate in temperatures from -30°C to +70°C (-22°F to +158°F), with the option for -40°C (-40°F). These sensors can be mounted up to a maximum of ±85° angle for dual axis models and 360° for single axis models.

WHERE CAN I USE AN INCLINOMETER?

Inclinometer sensors may be used in a wide variety of applications to solve unique feedback requirements where the customer needs to level platforms or control tilt angle.

The device's small size lends itself to a multitude of applications, such as:

- Commercial machines: diggers, cranes, rotary tables, bulldozers, road construction machinery
- Dancer arm position for web tension control
- Solar plants: mirror and cell positioning
- Machine control: levers, pedals, flaps, mixing machines, hydraulic jacks
- Vertical and horizontal drills used in tunnel and road construction and immersion equipment
- Offshore plants: platforms, cranes
- HVAC louvers, flood control gates, telescopes
- Conveyors, utility vehicles, agricultural and forestry machinery, cranes and hoisting technology – and more



www.turck.us • 1-800-544-7769 • Fax: (763) 553-0708 • TURCK Inc. Minneapolis, MN 55441



