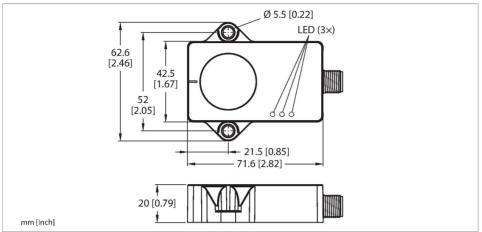
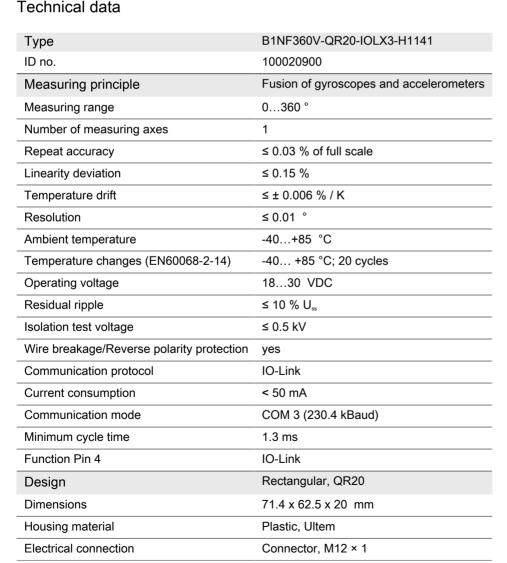


B1NF360V-QR20-IOLX3-H1141 **Dynamic Inclinometer**





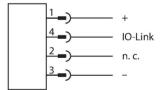


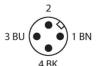


Features

- Rectangular, plastic, Ultem
- ■Status displayed via LED
- Angle detection via one axis with 360 ° measuring range
- Temperature detection from -40 °C to 85 °C
- High protection class IP68/IP69K
- Protected against salt spray and rapid temperature change
- ■18...30 VDC
- ■M12 × 1 connector, 4-pin
- Communication via IO-Link

Wiring diagram





Functional principle

The dynamic inclinometers use an acceleration measuring cell and a gyroscope sensor to determine angles. Influences caused by vibrations or interfering acceleration are minimized by applying an intelligent fusion

Technical data

Vibration resistance (EN 60068-2-6) 20 g; 5 h/axis; 3 axes	
Shock resistance (EN 60068-2-27) 200 g; 4 ms ½ sine	
Protection class IP68 IP69K	
MTTF 548 years acc. to SN 29500 (I	Ed. 99) 40
Power-on indication LED, Green	
Measuring range display LED, yellow	

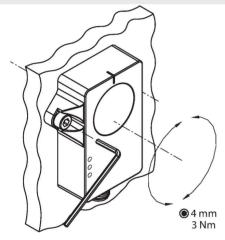
algorithm to the acceleration data and the rotation rate values. This enables the sensor to output a robust signal with impressive precision and speed, even in moving, dynamic applications.

The measuring principle used makes mounting and commissioning the device easy. The robust sensors are positioned with the cast side on a flat surface so that the casting compound is covered. The sensor is then secured with two screws.

The sensor can also record the temperature, which can be used to monitor the condition of the machine.

Mounting instructions

Mounting instructions/Description



Wiring accessories

Dimension drawing	Туре	ID no.	
M12x1 0 15	RKC4T-2-RSC4T/TXL	6625604	Extension cable, M12 female, straight, 3-pin to M12 male, straight, 3-pin; cable length: 2 m, jacket material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com
M12 x 1 o 15 1/2 1/4	RKC4T-2/TXL	6625500	Connection cable, female M12, straight, 3-pin, cable length: 2 m, sheath material: PUR, black; cULus approval; other cable lengths and qualities available, see www.turck.com