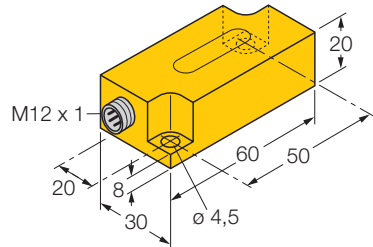
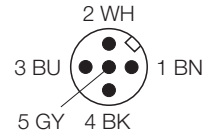
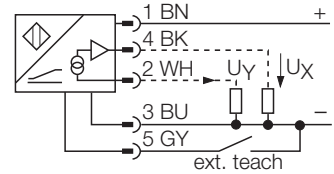


**inclination sensor  
for tilt angles  
B2N10H-Q20L60-2LU3-H1151**



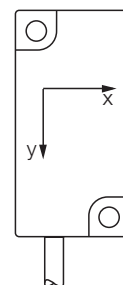
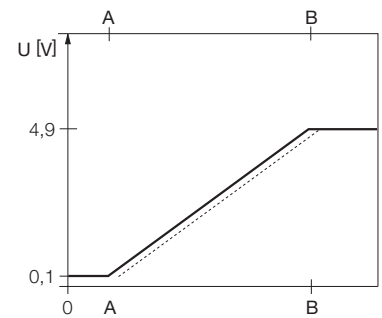
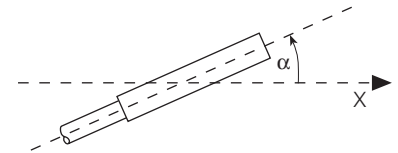
- Zero point calibration +/- 5°
- two analogue outputs
- connector, M12 x 1

**Wiring diagram**



**Functional principle**

The tilt angle is determined by a wear-free semi-conductor relay

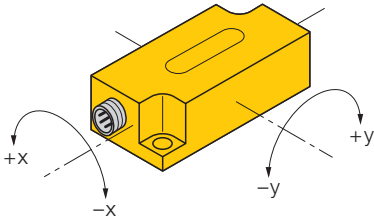


<b>Type</b>	B2N10H-Q20L60-2LU3-H1151
Ident-No.	1534006
<b>Measuring range [A...B]</b>	-10... 10°
Repeatability	≤ 0.2 % of measuring range  A - B  ≤ 0.1 %, after a warm-up time of 0.5 h
Absolute accuracy (at 25°C)	+/- 0.3°
Temperature drift	≤ ± 0.05 %/K
Temperature coefficient	0.01°/K
Resolution	≤ 0.04°
Ambient temperature	-30...+ 70 °C
<b>Operating voltage</b>	10... 30VDC
No-load current I <sub>0</sub>	≤ 20 mA
Rated insulation voltage	≤ 0.5 kV
Wire breakage / Reverse polarity protection	yes / yes
Overvoltage protection	-48... 48 VDC [U <sub>b max.</sub> ]
Output function	4-wire, analogue output
voltage output	0.1... 4.9 V
Output impedance	99... 105 Ω
voltage output	Short circuit proof U <sub>0</sub> (= 10...30 VDC)
Output recovery time	≤ 12 ms
Reaction time	0.05... 0.1 s time for the output signal to achieve 90% full scale if the angle changes from -10° to +10°
<b>Housing</b>	rectangular, Q20L60
Dimensions	60 x 30 x 20 mm
Housing material	plastic, PBT-GF20-V0
Connection	Connectors, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67

**inclination sensor  
for tilt angles  
B2N10H-Q20L60-2LU3-H1151**

Mounting instructions

Tilt angle



**inclination sensor  
for tilt angles  
B2N10H-Q20L60-2LU3-H1151**

**TURCK**

Industrial  
Automation

**Accessories**

Type code	Ident-No.	Short text	Dimension drawing
VB2-SP3	6999085	Teach adapter:	