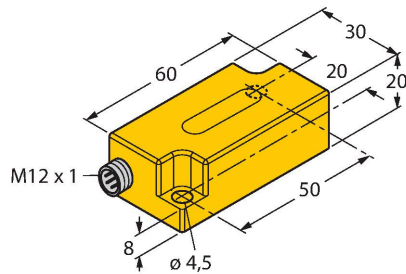


B2N5H-Q20L60-2LI2-H1151

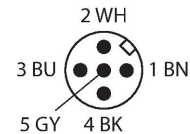
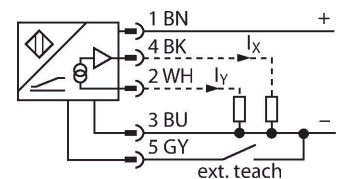
Inclinometer



Features

- Plastic, PC
- Zero point calibration $\pm 2^\circ$
- Two analog outputs
- M12 x 1 male connector

Wiring diagram



Technical data

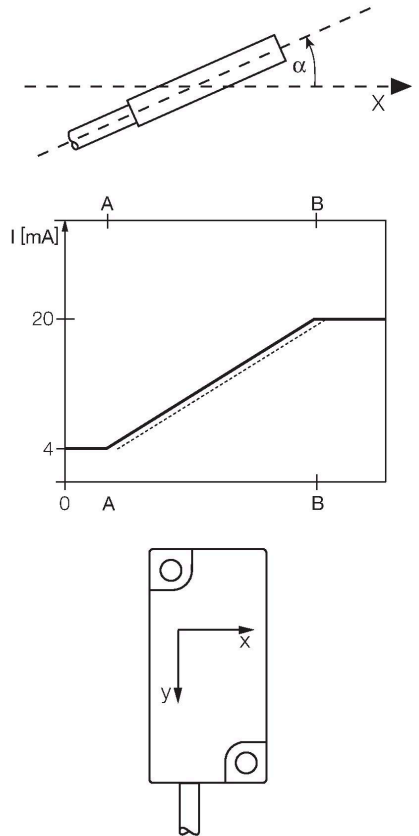
Type	B2N5H-Q20L60-2LI2-H1151
ID	1534048
Measuring principle	Acceleration
General data	
Measuring range	$-5 \dots 5^\circ$
Number of measuring axes	2
Repeatability	$\leq 0.2\%$ of measuring range $ A - B $
Temperature drift	$\leq \pm 0.1\%/K$
Resolution	$\leq 0.04^\circ$
Electrical data	
Operating voltage U_B	10...30 VDC
Isolation test voltage	0.5 kV
Short-circuit protection	yes
Wire break/reverse polarity protection	no/yes
Output function	5-pin, Analog output
Current output	4...20 mA
Load resistance current output	$\leq 0.2\text{ k}\Omega$
Response time	0.1 s
	time for the output signal to achieve 90% of full scale if the angle changes from -5° to $+5^\circ$
Current consumption	50 mA
Mechanical data	
Design	Rectangular, Q20L60
Dimensions	60 x 30 x 20 mm

Functional principle

Inclination is determined by a wear-free semiconducting sensor element.

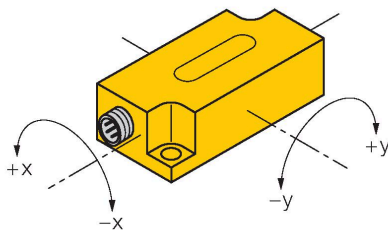
Technical data

Housing material	Plastic, PC
Electrical connection	Connector, M12 × 1
Environmental conditions	
Ambient temperature	-30...+70 °C
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68 IP69K
MTTF	203 years acc. to SN 29500 (Ed. 99) 40 °C



Mounting instructions

Mounting instructions/Description



Accessories

GUARD-Q20L60

A9684

Protective housing for Q20L60
inclinometers for protecting against
mechanical impact; material:
Stainless steel

