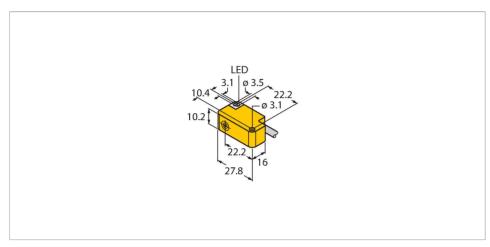


BI2-Q10S-AZ31X Inductive Sensor



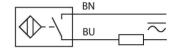
Technical data

DI2 0106 A 721V
BI2-Q10S-AZ31X
1309100
2 mm
Flush
≤ (0.81 × Sn) mm
St37 = 1; AI = 0.3; stainless steel = 0.7; Ms = 0.4
≤ 2 % of full scale
≤ ± 10 %
315 %
-25+70 °C
20250 VAC
10300 VDC
≤ 100 mA
≤ 100 mA
≥ 50≤ 60 Hz
≤ 1.7 mA
≤ 1.5 kV
≤ 1 A (≤ 10 ms max. 5 Hz)
≤ 6 V
2-wire, NO contact
≥ 3 mA
0.02 kHz
Rectangular, Q10S

Features

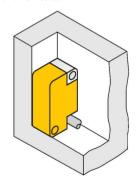
- Rectangular, height 10.2 mm
- Active face, lateral
- Cable outlet to all sides
- Plastic, PP-GF20
- AC 2-wire, 20...250 VDC
- DC 2-wire, 10...300 VDC
- NO contact
- Cable connection

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. For this, they use a high-frequency electromagnetic AC field that interacts with the target. Inductive sensors generate this field via an RLC circuit with a ferrite coil.



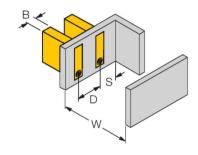


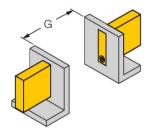
Technical data

Plastic, PP-GF20
PP-GF20
Cable
Ø 3 mm, Gray, Lif9Y-11Y, PUR, 2 m
2 x 0.14 mm²
55 Hz (1 mm)
30 g (11 ms)
IP67
2283 years acc. to SN 29500 (Ed. 99) 40 °C
LED, Yellow

Mounting instructions

Mounting instructions/Description





Distance D	2 x B
Distance W	3 x Sn
Distance S	1 x B
Distance G	6 x Sn
Width active area B	10.2 mm