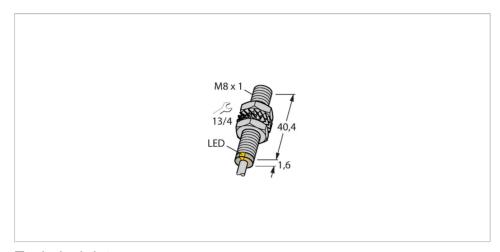


BI2-EG08-AZ14X Inductive Sensor



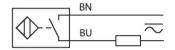
Technical data

Туре	BI2-EG08-AZ14X
ldent. no.	4100001
Rated switching distance	2 mm
Mounting conditions	Flush
Secured operating distance	≤ (0.81 × Sn) mm
Correction factors	St37 = 1; AI = 0.3; stainless steel = 0.7; Ms = 0.4
Repeat accuracy	≤ 2 % of full scale
Temperature drift	≤ ± 10 %
Hysteresis	115 %
Ambient temperature	-25+70 °C
Operating voltage	20132 VAC
Operating voltage	10140 VDC
AC rated operational current	≤ 100 mA
DC rated operational current	≤ 100 mA
Frequency	≥ 50≤ 60 Hz
Residual current	≤ 0.6 mA
Isolation test voltage	≤ 1.5 kV
Surge current	≤ 0.2 A (10 ms max. 0.2 A)
Voltage drop at I。	≤6 V
Output function	2-wire, NO contact
Smallest operating current	≥ 3 mA
Switching frequency	0.02 kHz
Design	Threaded barrel, M8 × 1
Dimensions	42 mm

Features

- Threaded barrel, M8 x 1
- Stainless steel, 1.4427 SO
- AC 2-wire, 20...132 VAC
- DC 2-wire, 10...140 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.

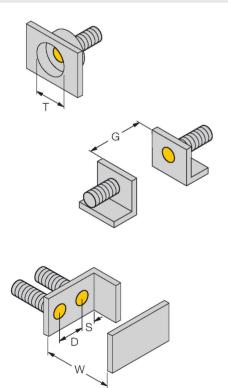


Technical data

GF30 GF30
GF30
ay, LifYY-11Y, PUR, 2 m
cc. to SN 29500 (Ed. 99) 40 °C
)

Mounting instructions

Mounting instructions/Description



Distance D	2 x B
Distance W	3 x Sn
Distance T	3 x B
Distance S	1.5 x B
Distance G	6 x Sn
Diameter active area B	Ø 8 mm



6947210

6901322

Accessories



Quick-mount bracket with deadstop, chrome-plated brass, male thread M12 x 1. Note: The switching distance of proximity switches may be reduced through the use of quickmount brackets. ø8

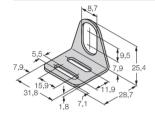
BSS-08

Mounting clamp for threaded barrel sensors, with dead-stop; material: PA6

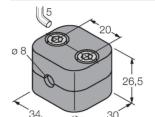
MW08

6945008

6945100



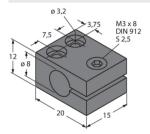
Mounting bracket for threaded barrel sensors; material: Stainless steel A2 1.4301 (AISI 304)



Mounting clamp for smooth and threaded barrel sensors; material: Polypropylene

MBS80

69479



Mounting clamp for smooth barrel sensors; mounting block material: Anodized aluminum