

BALLUFF

8020225

Optoelektronische Sensoren

Nr. 916368 Ausgabe / Edition DE / EN / G14

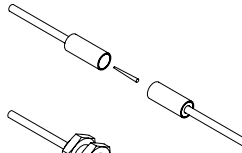
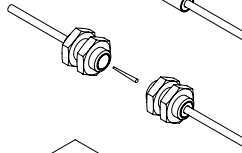
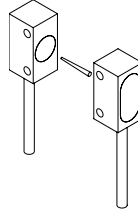
Änderungen vorbehalten / subject to modification

MICROmote®

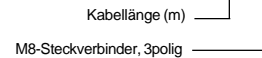
Miniatur-Optosensoren für separaten Verstärker

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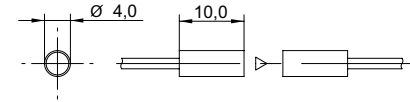
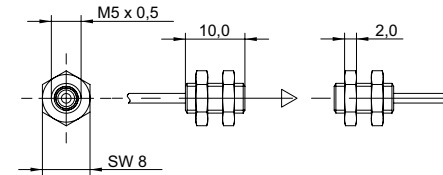
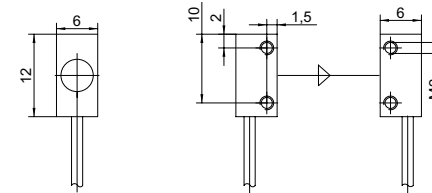
Ausführungen

BOH TI-G04-010-..**BOH TI-M05-013-..****BOH TI-Q06-002-..**

Bestellbezeichnungen:

Bsp.: **BOH TI-G04-010-01-S49F**

Abmessungen

BOH TI-G04-010-..**BOH TI-M05-013-..****BOH TI-Q06-002-..**

Installationshinweis

Wegen der äußerst unterschiedlichen Einbaubedingungen haben wir auf die Beilage von Befestigungszubehör verzichtet. Einbauraum zu sparen ist ein sehr wichtiges Argument für die Wahl unserer Geräte. Deshalb werden unsere Sensoren in der Regel gleich direkt in Maschinenteile integriert.

Wenn Sie sich bei der Ausführung **BOH TI-G04** für eine Befestigungsmethode mit Klemmschrauben entscheiden, achten Sie bitte darauf, die Schraube im hinteren Drittel des Sensorgehäuses anzusetzen, um eventuelle Beschädigungen der Optik zu vermeiden.

Bitte beachten Sie bei **BOH TI-M05** das maximale Anzugsdrehmoment der Befestigungsmuttern von 150cNm.

**EINWEG-LICHTSCHRANKEN**

Bitte beachten Sie, dass Sie zum Betrieb einen separaten Schaltverstärker benötigen.

**Vorsicht!**

Verwenden Sie den Sensor nicht im Bereich der Personensicherheit!

Technische Daten

Lichtart	Infrarot 880nm
Anschlussart	PUR-Kabel mit Steckverbinder
Einsatztemperatur	-10°C bis +55°C
Schutzart	IP65
Nenn-Reichweite	2000mm
kleinstes Objekt*	Ø 0,4mm

Abmessungen

BOH TI-G04-010:	Ø 4mm x 10mm
BOH TI-M05-013:	M5x0,5mmx10mm
BOH TI-Q06-002:	6mmx6mmx12mm

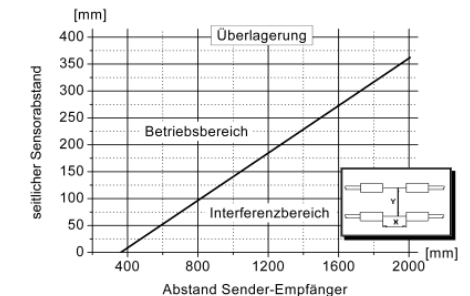
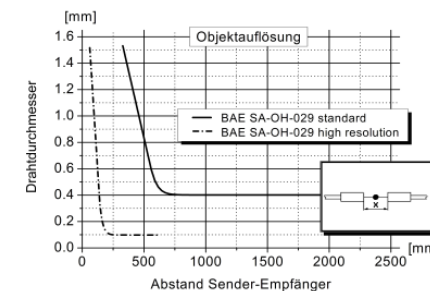
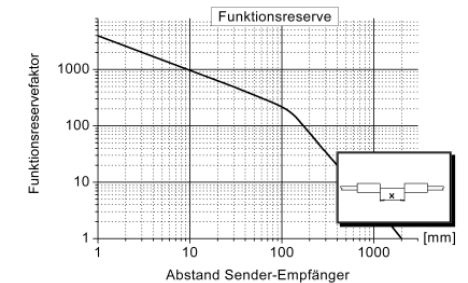
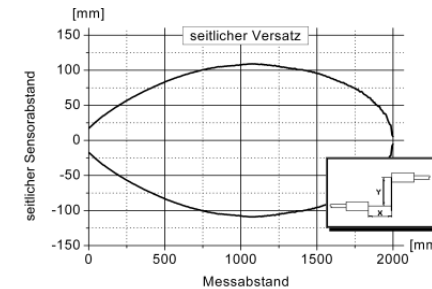
Gehäusematerial

BOH TI-G04-010:	Edelstahl
BOH TI-M05-013:	Messing vernickelt
BOH TI-Q06-002:	Messing vernickelt

*Kupferdraht bei optimaler Erkennungsentfernung und Empfindlichkeitseinstellung am Verstärker

Diagramme

(Alle Werte ermittelt mit Verstärker BAE SA-OH auf Nennreichweite. Alle Graphen geben typische Messwerte wieder.)



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Photoelectric Sensors

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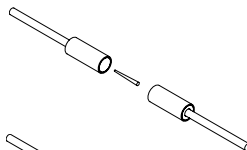
MICROmote®

Miniature optosensors for separate amplifier

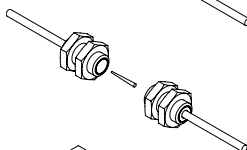
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Construction

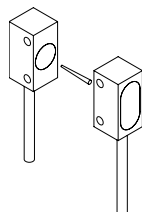
BOH TI-G04-010-..



BOH TI-M05-013-..

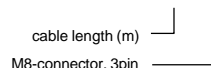


BOH TI-Q06-002-..



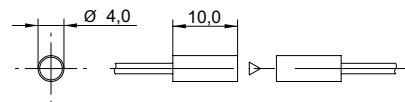
Order examples:

eg.: **BOH TI-G04-010-01-S49F**

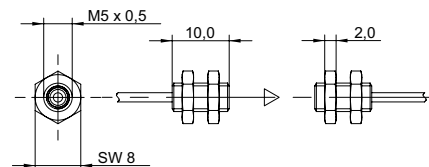


Dimensions

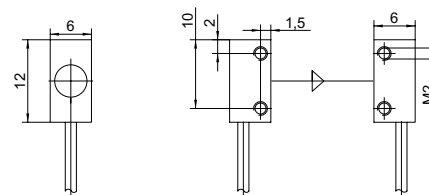
BOH TI-G04-010-..



BOH TI-M05-013-..



BOH TI-Q06-002-..

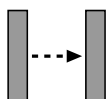


Installation advice

Because of the most different mounting conditions we decided not to add any additional fixing accessories. Saving installation space is a major argument for the choice of our products. Therefore most of our sensors are directly integrated into the machine structure.

If you should opt for the **BOH TI-G04** model for a mounting method in a through bore with a fixing screw, please place the screw in the aft third of the sensor housing to avoid an eventual damage to the optical components.

With **BOH TI-M05** please don't exceed a maximum torque of 150cNm on the fixing nuts.



THROUGH BEAM SENSOR

Please remember, for correct operation, a separate amplifier is required.



Caution!

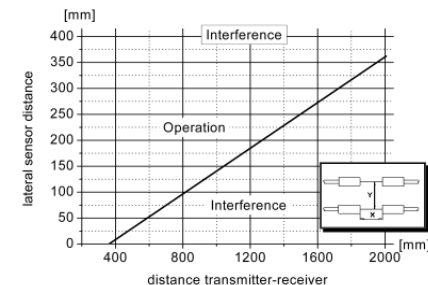
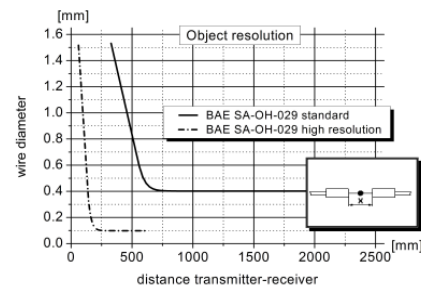
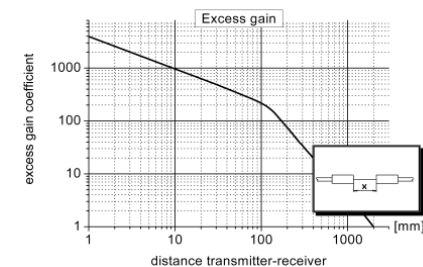
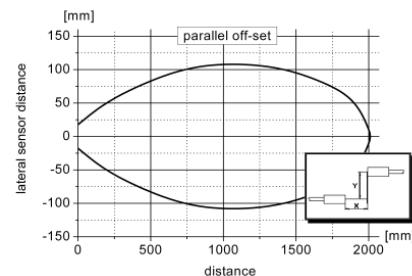
Do not use amplifier and sensor for personnel safety applications!

Technical Data

light type	infrared 880nm
connection type	PUR cable with connector
temperature range	-10°C to +55°C
protection class	IP65
nominal sensing range	2000mm
smallest object*	Ø 0,4mm
dimension	
BOH TI-G04-010:	Ø 4mm x 10mm
BOH TI-M05-013:	M5x0,5mmx10mm
BOH TI-Q06-002:	6mm x 6mm x 12mm
housing material	
BOH TI-G04-010:	stainless steel
BOH TI-M05-013:	nickel-plated brass
BOH TI-Q06-002:	nickel-plated brass

*copper wire, obtained with optimal distance and sensitivity setting on the amplifier.

Graphs (Obtained with amplifier BAE SA-OH on max. sensitivity adjustment)



(p.n.: all graphs showing typical data.)