

BALLUFF

8020118

Optoelektronische Sensoren

Nr. 913758_00 Ausgabe / Edition DE / EN / E14

Änderungen vorbehalten / subject to modification

micro SPOT®

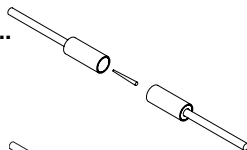
MICROmote®

Miniatur-Optosensoren für separaten Verstärker

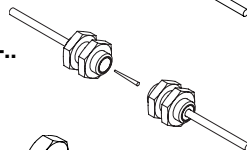
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Ausführungen

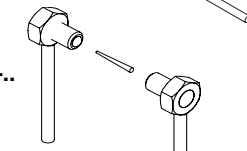
BOH TK-G04-003-..



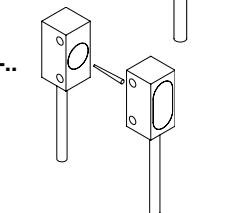
BOH TK-M05-003-..



BOH TK-M05-006-..

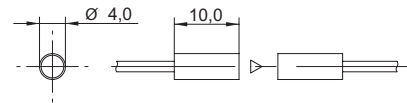


BOH TK-Q06-001-..

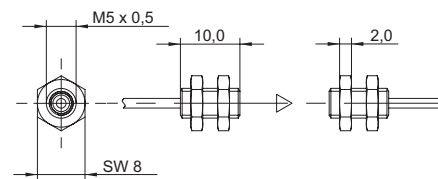


Abmessungen

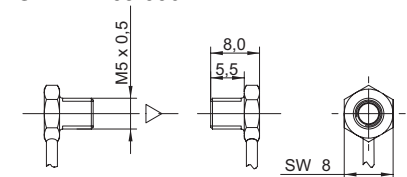
BOH TK-G04-003-..



BOH TK-M05-003-..



BOH TK-M05-006-..



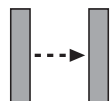
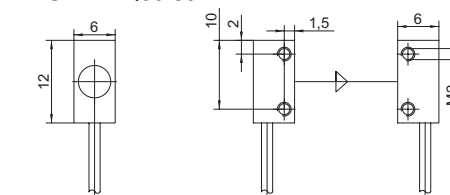
Installationshinweis

Wegen der äußerst unterschiedlichen Einbaubedingungen haben wir auf die Beilage von Befestigungszubehör verzichtet.

Wenn Sie sich bei der Ausführung **BOH TK-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 TK-M05** das maximal zulässige Anzugsdrehmoment der Befestigungsmuttern von 150cNm.

BOH TK-Q06-001-..



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	Rot 645nm
Anschlussart	PUR-Kabel mit Steckverbinder
Einsatztemperatur	-10°C bis +55°C
Schutzart	IP65
Nenn-Reichweite	2000mm
kleinstes Objekt*	Ø 0,4mm

Abmessungen

BOH TK-G04-003	Ø 4mm x 10mm
BOH TK-M05-003	M5 x 0,5mm x 10mm
BOH TK-Q06-001	6mm x 6mm x 12mm
BOH TK-M05-006	M5 x 0,5mm x 8mm

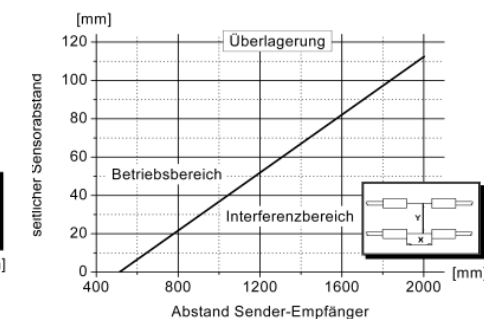
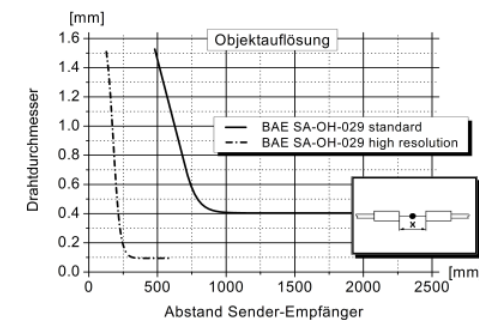
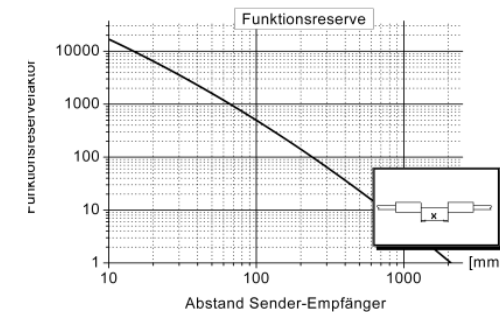
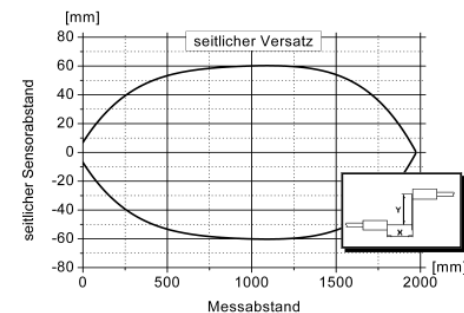
Gehäusematerial

BOH TK-G04-003	Edelstahl
BOH TK-M05-006	Edelstahl
BOH TK-M05-003	Messing vernickelt
BOH TK-Q06-001	Messing vernickelt

*Kupferdraht bei optimaler Erkennungsentfernung und Empfindlichkeits-einstellung 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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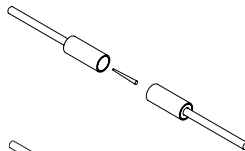
MICROmote®

Miniature optosensors for separate amplifier

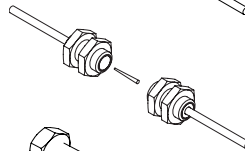
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Construction

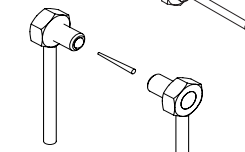
BOH TK-G04-003-..



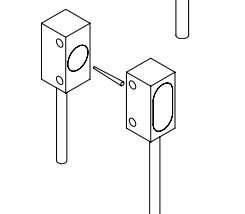
BOH TK-M05-003-..



BOH TK-M05-006-..

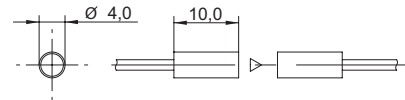


BOH TK-Q06-001-..

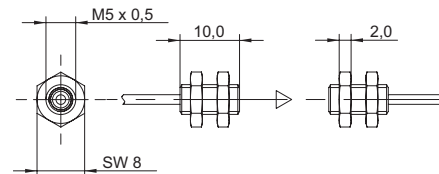


Dimensions

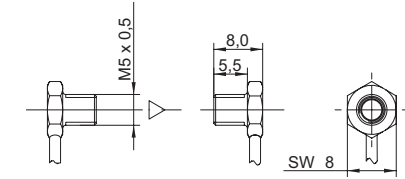
BOH TK-G04-003-..



BOH TK-M05-003-..



BOH TK-M05-006-..



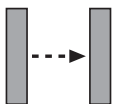
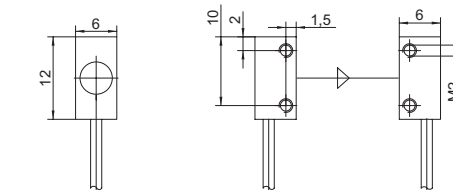
Installation advice

Because of the most different mounting conditions we decided not to add any additional fixing accessories.

If you should opt for the **BOH TK-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 TK-M05** please don't exceed a maximum torque of 150cNm on the fixing nuts.

BOH TK-Q06-001-..



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	red 645nm
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

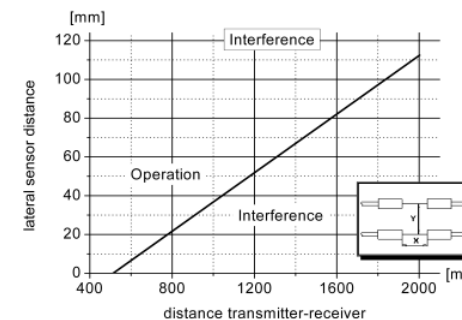
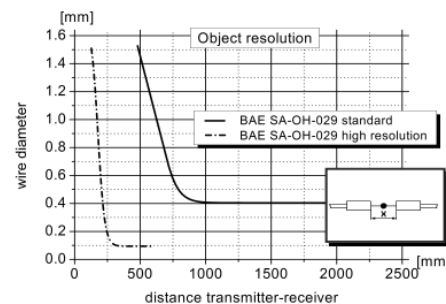
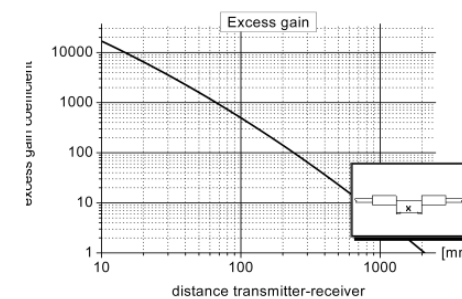
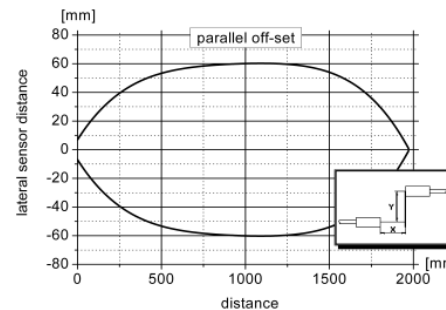
BOH TK-G04-003	Ø 4mm x 10mm
BOH TK-M05-003	M5 x 0,5mm x 10mm
BOH TK-Q06-001	6mm x 6mm x 12mm
BOH TK-M05-006	M5 x 0,5mm x 8mm

housing material

BOH TK-G04-003	stainless steel
BOH TK-M05-006	stainless steel
BOH TK-M05-003	nickel-plated brass
BOH TK-Q06-001	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.11.: all graphs showing typical data)