Optoelektronische Sensoren
Photo electric sensors
Cellules opto-électroniques

FADK 14U4470/S14/IO

Distanz Sensor

Distance Sensor

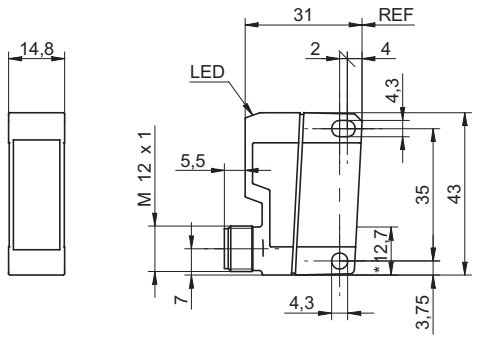
Détecteur de distance

11014499

Baumer

Baumer Electric AG · CH-8501 Frauenfeld
Phone +41 (0)52 728 1122 · Fax +41 (0)52 728 1144

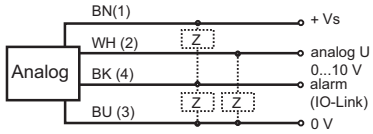
Abmessungen *Dimensions* *Dimensions*



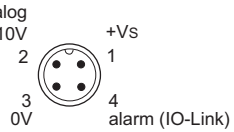
- Alle Masse in mm
- All dimensions in mm
- Toutes les dimensions en mm

* Senderachse
* Emitter axis
* Axe de l'émetteur

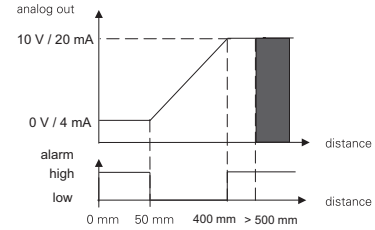
Elektrischer Anschluss *Connection diagram* *Schéma de raccordement*



BN = Braun/brown/brun
WH = Weiss/white/blanc
BK = Schwarz/black/noir
BU = Blau/blue/bleu



Ausgang Charakteristik *Output characteristic* *Caractéristique de sortie*



• Vor dem Anschliessen des Sensors die Anlage spannungsfrei schalten.
• Disconnect power before connecting the sensor.
• Mettre l`installation hors tension avant le raccordement du détecteur.

Technische Daten	*Technical data*	*Données techniques*	
Messbereich	Measuring range	Plage de mesure	50...400 mm
Auflösung (matt weisse Keramik)	Resolution (matt white ceramic)	Résolution (céramique blanche mate)	0,1...1 mm
Linearitätsabweichung (matt weisse Keramik)	Linearity error (matt white ceramic)	Déviation de linéarité (céramique blanche)	± 1,5... ± 4 mm
Lichtquelle	Light source	Source de lumière	pulsed point source LED
Ansprechzeit	Response time	Temps d'activation	< 3 ms
Analogausgang	Analog output	Sortie analogique	0...10 V
Alarmausgang	Alarm output	Sortie d'alarme	push-pull
Betriebsanzeige	Power indicator	Affichage de fonctionnement	green LED
Anzeige Alarm- / Verschm.	Soiled lens indicator	Indication alarme / encrassement	red LED
Betriebsspannungsbereich Vs (UL-Class 2)	Voltage supply range Vs (UL-Class 2)	Plage de tension Vs (UL-Class 2)	14...26 VDC
max. Stromverbrauch	max. supply current	Consommation max.	< 80 mA
Kurzschlussfest	Short circuit protection	Protégé contre courts-circuits	ja / yes / oui
Verpolungsfest	Reverse polarity protection	Protégé contre inversion de polarité	ja / yes / oui *
Arbeitstemperaturbereich	Operating temperature range	Température en service	0...50 °C
Schutzklasse	Protection class	Classe de protection	IP 67
Temperaturdrift	Temperature drift	Dérive en température	< 0,1 % Sde/K

Siehe Betriebsanleitung auf www.baumer.com **See manual on www.baumer.com** **Voir le manuel sur www.baumer.com**

IO-Link

* nur Betriebsspannung / voltage supply only / plage de tension

Technische Änderungen vorbehalten Technical specifications subject to change Sous réserve de modifications techniques

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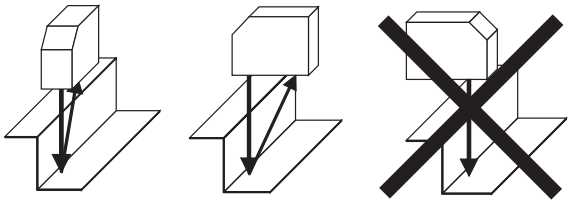
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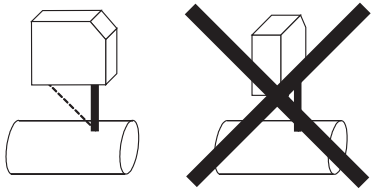
www.baumer.com/worldwide

Montage
Mounting
Montage

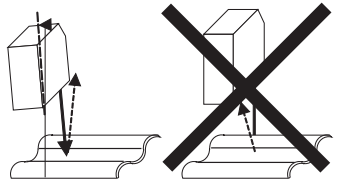
Stufen
Steps
Gradins



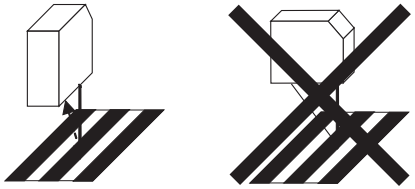
Runde, glänzende Oberflächen
Round glossy surfaces
Surfaces ronds brillantes



Glänzende Oberflächen
Glossy surfaces
Surfaces brillantes



Unterschiedlich reflektierende Oberflächen
Different reflection of surfaces
Surfaces differemment réfléchissantes



Einwirkung Fremdlicht
Effect of ambient light
Influence lumiére ambiante

