

OXE7.E15T-11177353

Kanten-Sensoren

Edge sensors

DéTECTEUR de bords



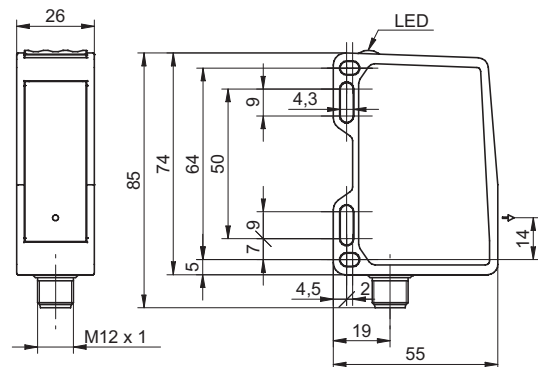
11177353



Baumer

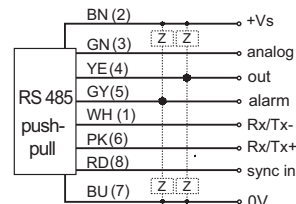
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Abmessungen Dimensions Dimensions

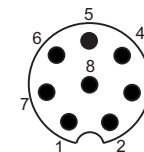


- Alle Masse in mm
- All dimensions in mm
- Toutes les dimensions en mm

Elektrischer Anschluss Connection diagram Schéma de raccordement



- BN = Braun/brown/brun
- GN = Grün/green/vert
- YE = Gelb/yellow/jaune
- GY = Grau/grey/gris
- WH = Weiss/white/blanc
- PK = Rosa/pink/rose
- RD = Rot/red/rouge
- BU = Blau/blue/bleu



¹⁾ Class 2, UL 1310, see FAQ

- 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.

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Technische Daten

Technical data

Données techniques

Messbereich (Breite)	48 ... 72 mm	measuring range (width)	48 ... 72 mm	Plage de mesure (Largeur)	48 ... 72 mm
Messbereich (Abstand)	100 ... 150 mm	measuring range (distance)	100 ... 150 mm	Plage de mesure (Distance)	100 ... 150 mm
Messfrequenz	111...370 Hz	measuring frequency	111...370 Hz	Fréquence de mesure	111...370 Hz
kleinste erfassbare Kante	0,7 mm	smallest edge recognizable	0,7 mm	Plus petit bord détectable	0,7 mm
Betriebsspannungsbe- reich +Vs ¹⁾	15 ... 28 VDC	voltage supply range +Vs ¹⁾	15 ... 28 VDC	Plage de tension +Vs ¹⁾	15 ... 28 VDC
Stromaufnahme max. (ohne Last)	150 mA	current consumption max. (no load)	150 mA	Consommation max. (sans charge)	150 mA
Ausgangssignal	4 ... 20 mA / 0 ... 10 VDC	output signal	4 ... 20 mA / 0 ... 10 VDC	Signal de sortie	4 ... 20 mA / 0 ... 10 VDC
Schaltausgang	Gegentakt	switching output	push-pull	Sortie commutation	push-pull
verpolungsfest	ja, Vs zu GND	reverse polarity protection	yes, Vs to GND	Protégé contre inversion polarité	oui, Vs vers GND
kurzschlussfest	ja	short circuit protection	yes	Protégé contre courts-circuits	oui
Fremdlichtsicherheit	35 kLux	ambient light immunity	35 kLux	Insensibilité à la lumière ambiante	35 kLux
Arbeitstemperatur	-20 ... +50 °C	operating temperature	-20 ... +50 °C	Température de fonctionnement	-20 ... +50 °C
Schutzart	IP 67	protection class	IP 67	Classe de protection	IP 67

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

Allg. Sicherheitsbestimmungen
General safety instructions
Instructions générales de sécurité

**CLASS 1 LASER
PRODUCT**

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and
1040.11 except for conformance with
IEC 60825-1 Ed. 3., as described in
Laser Notice No. 56, dated May 8, 2019

VORSICHT

Laserstrahl nie auf ein Auge richten.
Es empfiehlt sich, den Strahl nicht ins Leere
laufen zu lassen, sondern mit einem matten
Blech oder Gegenstand zu stoppen.

CAUTION

Do not point the laser beam towards
someone's eye. It is recommended to
stop the beam by a mat object or mat
metal sheet.

ATTENTION

Ne dirigez jamais le faisceau vers un oeil.
Il est conseillé de ne pas laisser le faisceau
se propager librement mais de l'arrêter au
moyen d'un objet de surface mate.

1) Netzteil nach UL 1310, Class 2 oder externe Absicherung durch eine UL anerkannte oder gelistete Sicherung
mit max. 30VAC/3A oder 24VDC/4A.
Es wird ein 8-poliges, geschirmtes Anschlusskabel (Kabeldose) benötigt.

1) Voltage supply according UL 1310, Class2 or device shall be protected by an external R/C or listed fuse, rated
max. 30VAC/3A or 24VDC/4A.
Required is an 8-pin shielded cable (cable box).

1) L'alimentation utilisée, couvre la classe 2 selon la norme UL 1310 ou appareil protégé en externe par un circuit
R/C ou fusible UL à 30VAC/3A ou 24VDC/4A maximum.
Il s'agit d'un câble 8 broches blindé (décodeur) est nécessaire.

Display & Panel
Display & Panel
Affichage & panneau



LED
Gelb/yellow/jaune = Schaltausgang
Rot/red/rouge = Alarmausgang
Grün/green/vert = Betriebsanzeige

LED
switching output
alarm output
supply voltage

LED
sortie de commutation
sortie d'alarme
tension d'alimentation

Tasten
ESC = Zurück
ESC > 2 Sek. = Hauptmenü
UP = Hoch/Wert erhöhen
DOWN = Runter/Wert verringern
SET = OK
SET 2 Sek. = Wert speichern

Keys
back
main menu
up/increase value
down/decrease value
OK
save value

Touches
arrière
menu principal
vers le haut/augmenter la val.
vers le bas/diminuer la valeur
OK
enregistrer la valeur

Slide über alle 4 Tasten
----> = Freigabe Panel
----< = Run-Modus

Slide of all keys
release panel
run-mode

Slide sur toutes les touches
déverrouillage des touches
mode run

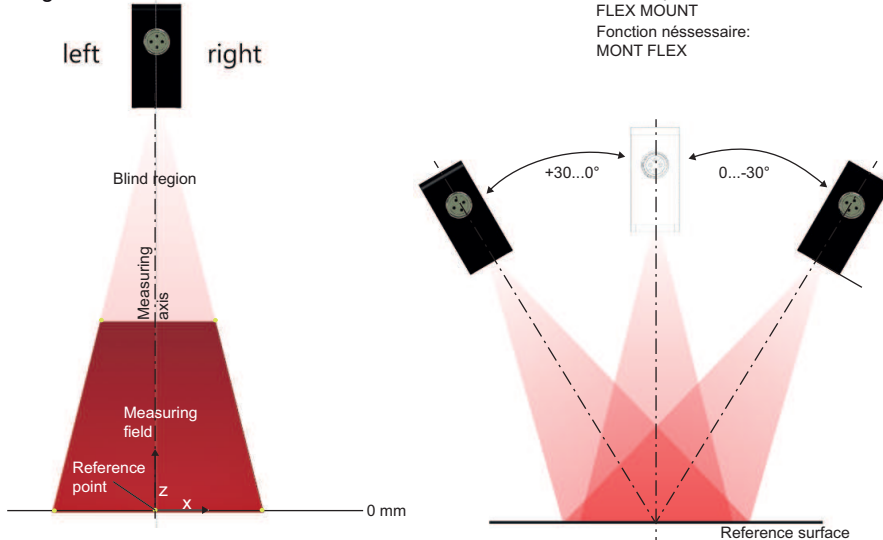
Montage
Mounting
Montage

$\alpha = 90^\circ$

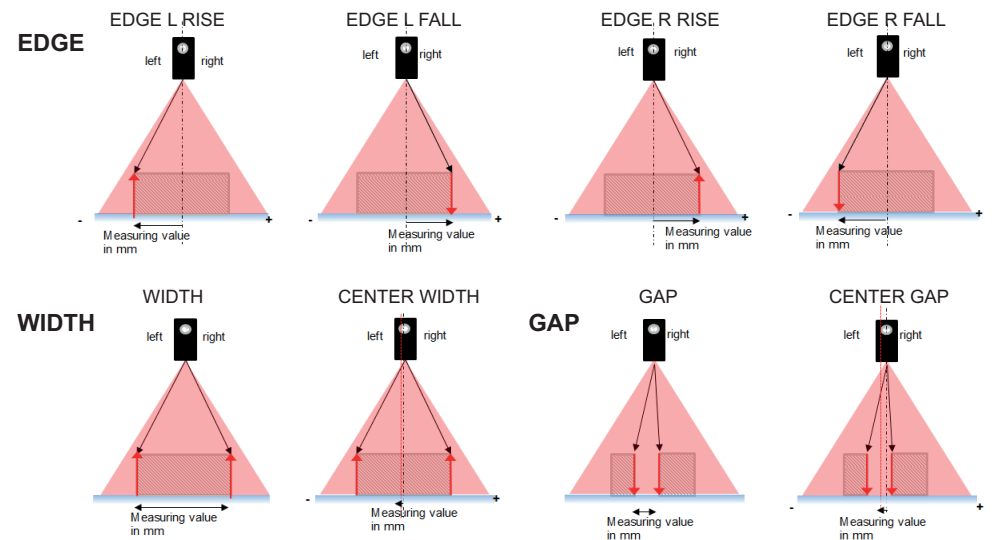
Keine Einstellung nötig
No adjustment necessary
Aucun réglage nécessaire

$\alpha \neq 90^\circ$

Nötige Funktion:
FLEX MONTAGE
Necessary function:
FLEX MOUNT
Fonction nécessaire:
MONT FLEX



Messtypen
Measuring types
Types de mesure



Funktionsbaum
Function tree
Arbre de fonction

LIVE MONITOR						
	▽					
FUNCTION	EDGE	LIVE MONITOR	Angle in ° and Distance in mm			
		MEAS TYPE	Edge L rise Edge L fall Edge R rise Edge R fall			
		EDGE HEIGHT	Value in mm			
		OBJECT	Bright Dark			
		PRECISION	Standard High Very High			
		FLEX MOUNT	No Yes		TEACH REF	THICKNESS REF
		LIVE MONITOR	Angle in ° and Distance in mm			
		WIDTH	MEAS TYPE	Width Center Width		
			OBJ HEIGHT	Value in mm		
			OBJECT	Bright Dark		
			PRECISION	Standard High Very High		
			FLEX MOUNT	No Yes		TEACH REF THICKNESS REF
	△ ▽					
		LIVE MONITOR	Angle in ° and Distance in mm			
		GAP	MEAS TYPE	Gap Center Gap		
			GAP DEPTH	Value in mm		
			OBJECT	Bright Dark		
			PRECISION	Standard High Very High		
			FLEX MOUNT	No Yes		TEACH REF THICKNESS REF
FIELD OF VIEW	AUTO		Height Width; Value height in mm			
		LIMIT LEFT	Value in mm			
		LIMIT RIGHT	Value in mm			
		OFFSET	Value in mm			
		FIELD OF VIEW	Set max values			
	△ ▽					
DIGITAL OUT	DIGITAL OUT		Point / Window			
		SWITCH POINT	Value in mm			
		WINDOW P1	Value in mm			
		WINDOW P2	Value in mm			
		OUTPUT LEVEL	Active high / Active low			
	△ ▽					
SYSTEM	RS485 BAUD		38400 57600 115200			
		RS485 ADDR	number			
		DISPLAY LIGHT	OFF after 5min OFF after 10min OFF after 20min Always ON			
		SENSOR INFO	SENSOR TYPE			
			SERIAL NUM			
		LANGUAGE	English Deutsch Inglese Français			
		RESET	Factory set			
	△ ▽					
SETTINGS	APPLY		Setting 1 Setting 2 Setting 3			
		STORE	Setting 1 Setting 2 Setting 3			
		SHOW ACTIVE	Values			
		SHOW SETTING 1	Values			
		SHOW SETTING 2	Values			
		SHOW SETTING 3	Values			
	△					

