

OXE7.E15T-11148276

Kanten-Sensoren

Edge sensors

Détecteur de bords



11148276



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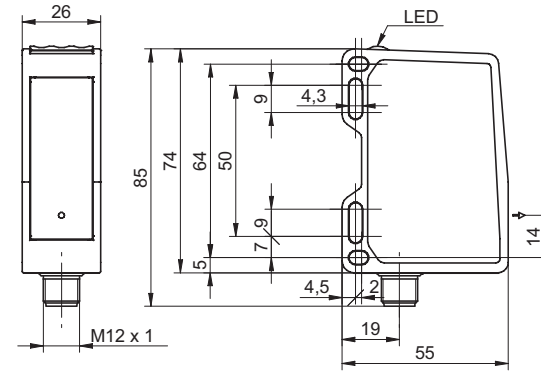
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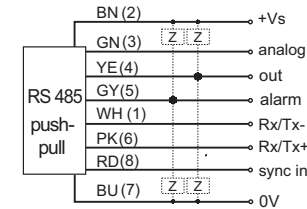
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Abmessungen Dimensions Dimensions



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

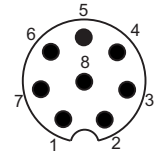
Elektrischer Anschluss



Connection diagram

- 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

Schéma de raccordement



¹⁾ Class 2, UL 1310, see FAQ

CLASS 1 LASER PRODUCT

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to laser
notice No. 50, dated June 24, 2007

- 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 (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	159 ... 625 Hz 1) 2)	measuring frequency	159 ... 625 Hz 1) 2)	Fréquence de mesure	159 ... 625 Hz 1) 2)
kleinste erfassbare Stufe	0,7 mm	smallest detectable step	0,7 mm	Plus petit palier 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

Allg. Sicherheitsbestimmungen
General safety instructions
Instructions générales de sécurité

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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

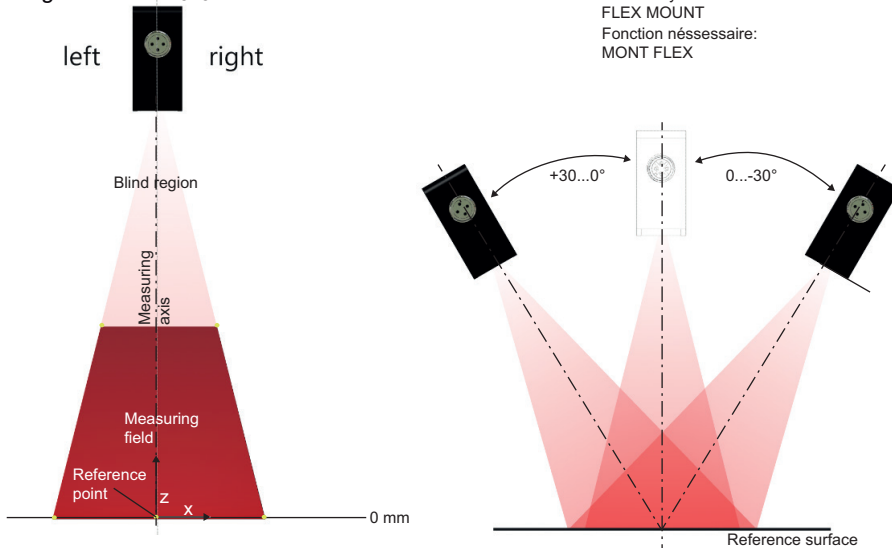
Montage
Mounting
Montage

$\angle = 90^\circ$

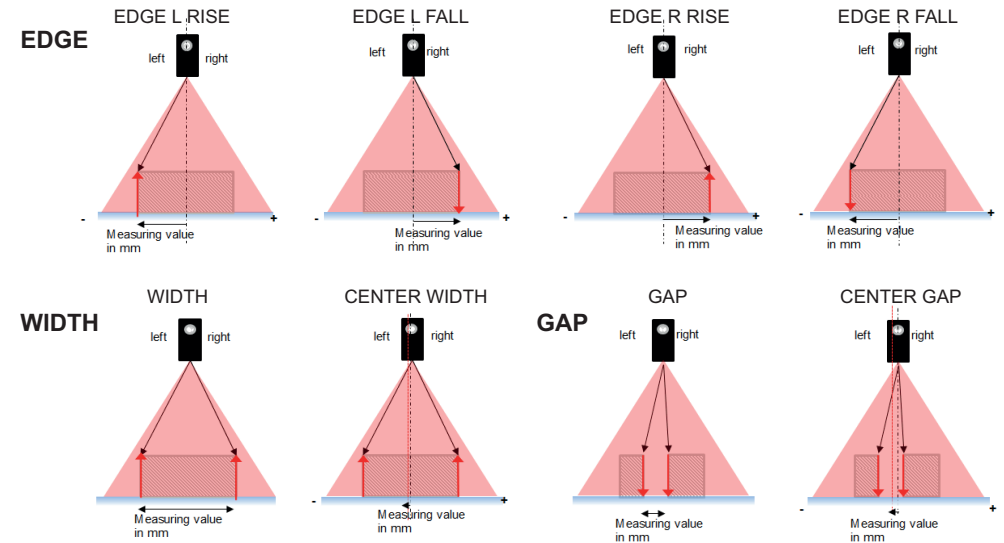
Keine Einstellung nötig
No adjustment necessary
Aucun réglage nécessaire

$\angle \neq 90^\circ$

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



Messtypen
Measuring types
Types de mesure



LIVE MONITOR 

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	TEACH REF
		Yes	THICKNESS REF



WIDTH	LIVE MONITOR	Angle in ° and Distance in mm	
	MEAS TYPE	Width	
		Center Width	
	OBJ HEIGHT	Value in mm	
	OBJECT	Bright	
		Dark	
	PRECISION	Standard	
		High	
		Very High	
	FLEX MOUNT	No	TEACH REF
		Yes	THICKNESS REF



GAP	LIVE MONITOR	Angle in ° and Distance in mm	
	MEAS TYPE	Gap	
		Center Gap	
	GAP DEPTH	Value in mm	
	OBJECT	Bright	
		Dark	
	PRECISION	Standard	
		High	
		Very High	
	FLEX MOUNT	No	TEACH REF
		Yes	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	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	

