

XUSL4E30H046NS2

Safety light curtain type 4, Telemecanique
Safety light curtains XUSL, XUSL Slave2, For
hand protection, Hp = 460 mm, R=30 mm



Main

Range of Product	Telemecanique Safety light curtains XUSL
Product or Component Type	Safety light curtain type 4
Device short name	XUSL4E
Output type	2 safety outputs OSSD solid-state PNP arc suppression)
Product Specific Application	For hand protection
[R] Resolution	1.18 in (30 mm)
[Sn] nominal sensing distance	0.00...39.37 Ft (0...12 m) by cabling 0.00...13.12 ft (0...4 m) by cabling
[Hp] Height protected	18.11 in (460 mm)
Number of beams	23
Type of start / restart	Automatic Manual
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Kit composition	Adjustable mounting bracket(s) 1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity on CD-ROM
[EAA] effective aperture angle	2.5 ° at 3 m
Emission	IR LED 0.000037402 in (950 nm)
[Us] rated supply voltage	24 V DC +/- 20 %
Supply	Power supply IEC 61496-1 Power supply IEC 60204-1
[Ie] rated operational current	2 A
Current consumption	42 mA no-load transmitter 83 mA no-load receiver 42 mA transmitter 900 mA with maximum load receiver
Output current limits	0.4 A safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Maximum voltage drop	<0.5 V
Local signalling	1 multi-colour LED transmitter 2 dual colour LEDs receiver
Electrical connection	1 male connector M12 5 pins transmitter 1 male connector M12 8 pins receiver
Function available	Test Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults
Marking	CE
Material	Aluminium casing Polycarbonate front panel Polypropylene end caps
Housing colour	Red RAL 3000
Fixing Mode	By fixing brackets

Net Weight	2.25 lb(US) (1.02 kg)
Offer type	Standard distance
Topology	Daisy chain slave2

Environment

Directives	89/655/EEC - work equipment 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility
Product Certifications	TÜV CULus CE
Safety level (correctly wired)	Type 4 IEC 61496-1 SIL 3 IEC 61508 SILCL 3 IEC 62061 Category 4 EN/ISO 13849-1 PL = e EN/ISO 13849-1
Optical characteristic	Resistance to light disturbance EN/IEC 61496-2
Mission time	20 year(s)
Safety reliability data	PFHd = 9.47E-9 1/h IEC 61508
Ambient Air Temperature for Operation	-22...131 °F (-30...55 °C) 14...131 °F (-10...55 °C)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C) -31...158 °F (-35...70 °C)
Relative Humidity	0...95 % without condensation
IP degree of protection	IP65 IP67
Shock resistance	10 gn 16 ms IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm 10...55 Hz)IEC 61496-1

Ordering and shipping details

Category	22455-LIGHT CURTAINS - XUSL
Discount Schedule	DS2
GTIN	3389119620154
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.31 in (13.5 cm)
Package 1 Width	7.68 in (19.5 cm)
Package 1 Length	21.65 in (55.0 cm)
Package 1 Weight	4.42 lb(US) (2.007 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes

Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
----------	-----------

Technical drawing of a 1/2" x 1/2" x 1/2" 303 stainless steel ball bearing. The drawing shows a side view and an end view. The side view dimensions are: total length 536.5 mm, distance from shoulder to center 21.12 mm, distance from shoulder to outer ring 61.5 mm, distance from shoulder to inner ring 2.42 mm, distance from shoulder to ball 29.5 mm, and distance from shoulder to ball 17.16 mm. The end view dimensions are: outer diameter 31 mm, inner diameter 1.22 mm, and distance from shoulder to center 29.4 mm. The material is 303 stainless steel.

Mounting and Clearance

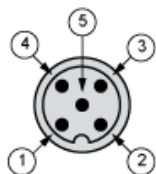


- (1) Insert
- (2) Bracket
- (3) Washer
- (4) Spring washer
- (5) Nut

Wiring Diagrams

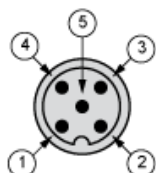
Transmitter Connections

Slave primary connector at the bottom



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

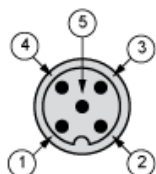
Slave secondary connector at the top



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

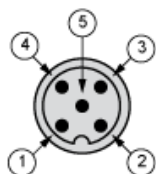
Receiver Connections

Slave primary connector at the bottom



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

Slave secondary connector at the top



- (1) +24 Vdc
- (2) Master/Slave_A
- (3) 0 Vdc
- (4) Master/Slave_B
- (5) FE

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Telemecanique Sensors:](#)

[XUSL4E30H046NS2](#)