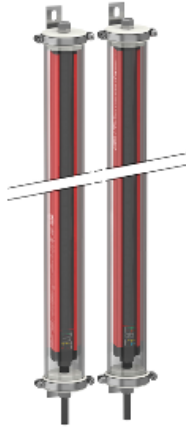




Price** : 1,962.77 USD



Main

Range of product	Preventa Safety detection
Product or component type	Safety light curtain type 4
Device short name	XUSL4E
Output type	2 safety outputs OSSD solid-state PNP (integrated arc suppression)
Product specific application	For hand protection
[R] Resolution	1.18 in (30 mm)
[Sn] nominal sensing distance	3...17 m by cabling 0...8 m by cabling
[Hp] Height protected	35.83 in (910 mm)
Number of beams	46
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Response time	12.5 ms
Kit composition	Adjustable mounting bracket(s) 1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity on CD-ROM Silicone o-ring(s) 1 PVC cable(s)
[EAA] effective aperture angle	+/- 2.5 ° at 3 m
Emission	IR LED ($\lambda = 950 \text{ nm}$)
[Us] rated supply voltage	24 V DC (+/- 20 %)
Supply	Power supply must meet requirements of IEC 61496-1 Power supply must meet requirements of IEC 60204-1

[I _e] 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 for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
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)
Type of cable	AWG 22 unshielded cable of 32.81 ft (10 m)
Ohmic cable resistance (per m)	55.31 mOhm
Function available	Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults Anti-condensation system Test
Marking	CE
Material	Tube: PMMA (polymethyl methacrylate) Sealing plug: stainless steel AISI 316L Cable: PVC (polyvinyl chloride)
Housing colour	RAL 3000: red
Fixing mode	By fixing brackets
Product weight	12.24 lb(US) (5.55 kg)
Offer type	Long distance
Provided equipment	Without heating system

Environment

Directives	98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility 2002/96/EC - WEEE directive 89/655/EEC - work equipment 2002/95/EC - RoHS directive
Product certifications	TÜV Ecolab cULus CE
Safety level (correctly wired)	SIL 3 conforming to IEC 61508 Type 4 conforming to IEC 61496-1 SILCL 3 conforming to IEC 62061 Category 4 conforming to EN/ISO 13849-1 PL = e conforming to EN/ISO 13849-1
Optical characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2
Mission time	20 yr
Safety reliability data	PFHd = 1.30E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	14...131 °F -4...131 °F (-20...55 °C)
Ambient air temperature for storage	-13...158 °F -22...158 °F (-30...70 °C)
Relative humidity	0...95 % without condensation
IP degree of protection	IP69K
Shock resistance	10 gn 16 ms conforming to IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm (f = 10...55 Hz) conforming to IEC 61496-1

Ordering and shipping details

Category	22455 - LIGHT CURTAINS - XUSL
Discount Schedule	DS2

GTIN	003389119619738
Nbr. of units in pkg.	1
Package weight(Lbs)	15.07
Returnability	N
Country of origin	IT

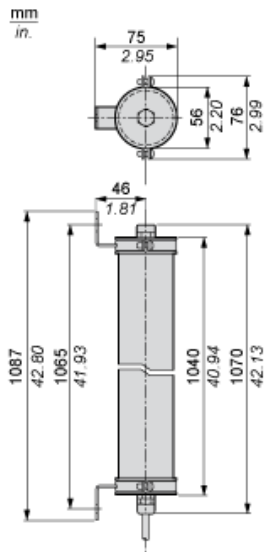
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1425 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

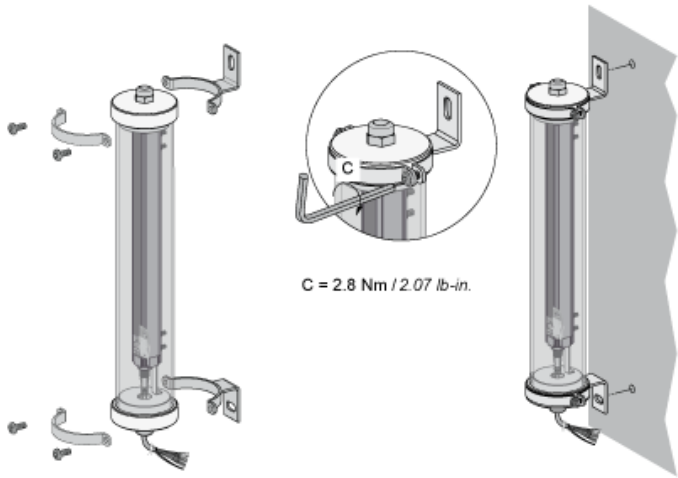
Contractual warranty

Warranty period	18 months
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Dimensions



Mounting and Clearance



Wiring Diagrams

Transmitter Pre-wired

Brown: +24 Vdc

White: Configuration_0

Blue: 0 Vdc

Green or Black: Configuration_1

Grey: Functional Earth

Pink: Not connected

Receiver pre-wired

White: Output signal switching device 1

Brown: +24 Vdc

Green: Output signal switching device 2

Yellow: Configuration_A

Grey: K1_K2 Feedback/Restart

Pink: Configuration_B

Blue: 0 Vdc

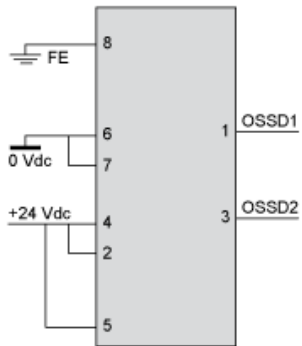
Yellow/Green (or Red): Functional Earth

For configuration_A and configuration_B, please refer to receiver configuration and operating modes

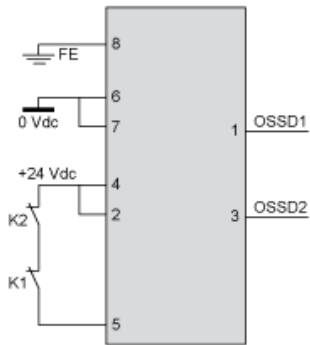
Receiver Configurations and Operating Modes

Automatic Start/Restart

Without External Device Monitoring (EDM) feedback loop

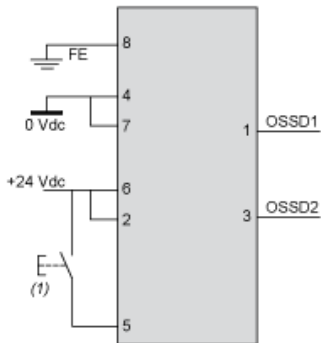


With External Device Monitoring (EDM) feedback loop



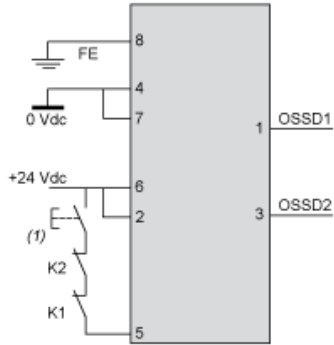
Manual Start/Restart

Without External Device Monitoring (EDM) feedback loop



(1) Restart

With External Device Monitoring (EDM) feedback loop



(1) Restart

Connecting to a Safety Interface

The screenshot shows a web interface for product documentation. On the left, a sidebar titled "Discover XUSL4E14F016N by" contains a list of categories: Characteristics, Dimensions Drawings, Mounting and Clearance, Connections and Schema, and Download & Documents. The "Download & Documents" link is highlighted with a red box and a circled number 1. A vertical line connects this link to the "Download & Documents 1 to 9 of 9" section on the right. This section contains several document entries. The "Application solutions" entry, titled "Safety light curtains association with safety interfaces", is highlighted with a red box and a circled number 2. A vertical line connects this entry to the "Application solutions" section below the list.

Download & Documents 1 to 9 of 9		
Image of product		
Generic image for XUSL standard sensing distance.	SILENT 2014-12-11	(Se ▼)
Product environmental		
XUSL4E..., XUSL2E... Safety Light Curtain, Product Environmental Profile	English	2014-09-08 pdf ▼
End of life manual		
XUSL4E..., XUSL2E... Safety Light Curtain, Product End-of-Life Instructions	English	2014-09-08 pdf ▼
Application solutions		
Safety light curtains association with safety interfaces	English	2016-01-08 pdf ▼
Catalog		
Safety light curtains Preventa XUSL	English	2015-05-18 pdf ▼
User guide		
XUSL2E..., XUSL4E... Type 2 and Type 4 Safety Light Curtains, User Manual	English	2015-06-25 pdf ▼

- 1 : Click on Download & Documents
- 2 : Click on Application solutions

To have all connection schematics concerning our safety module, select "download and document" and download the file "Safety light curtains association with safety interfaces"