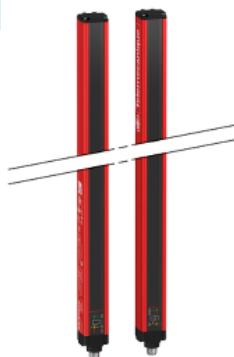


Product data sheet

Specifications



**Safety light curtain type 4,
Telemecanique Safety light curtains
XUSL, XUSL Finger protection, Std
sensing range, Hp = 610 mm, R=14
mm**

XUSL4E14F061N

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 finger protection
[R] Resolution	14 mm
[Sn] nominal sensing distance	1...6 m by cabling 0...3 m by cabling
[Hp] Height protected	610 mm
Number of beams	60
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Response time	9 ms
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 950 nm
[Us] rated supply voltage	24 V DC +/- 20 %
Supply	Power supply conforming to IEC 61496-1 Power supply conforming to 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 for 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	1.2 kg
Offer type	Standard distance

Environment

Directives	89/336/EEC - electromagnetic compatibility 89/655/EEC - work equipment 98/37/EEC - machinery
Product certifications	CE TÜV cULus
Safety level (correctly wired)	Type 4 conforming to IEC 61496-1 SIL 3 conforming to IEC 61508 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 year(s)
Safety reliability data	PFHd = 1.75E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	-10...55 °C -20...55 °C
Ambient air temperature for storage	-35...70 °C -25...70 °C
Relative humidity	0...95 % without condensation
IP degree of protection	IP65 IP67
Shock resistance	10 gn for 16 ms conforming to IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm (f= 10...55 Hz) conforming to IEC 61496-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	70.0 cm
Package 1 Width	20.0 cm
Package 1 Length	14.2 cm
Package 1 Weight	2.446 kg
Unit Type of Package 2	P06
Number of Units in Package 2	6
Package 2 Height	75.0 cm

Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	22.834 kg

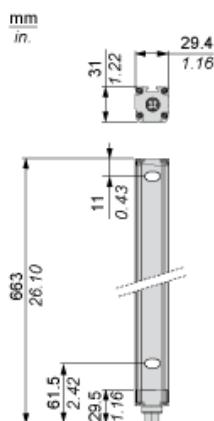
Offer Sustainability

Sustainable offer status	Green Premium product
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
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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

Contractual warranty

Warranty	18 months
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Dimensions

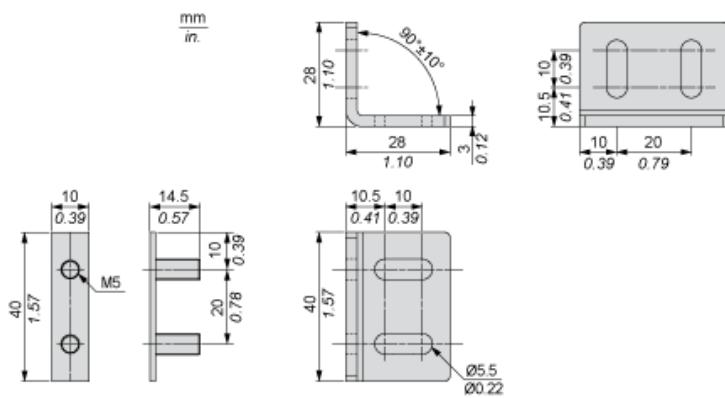


Product data sheet

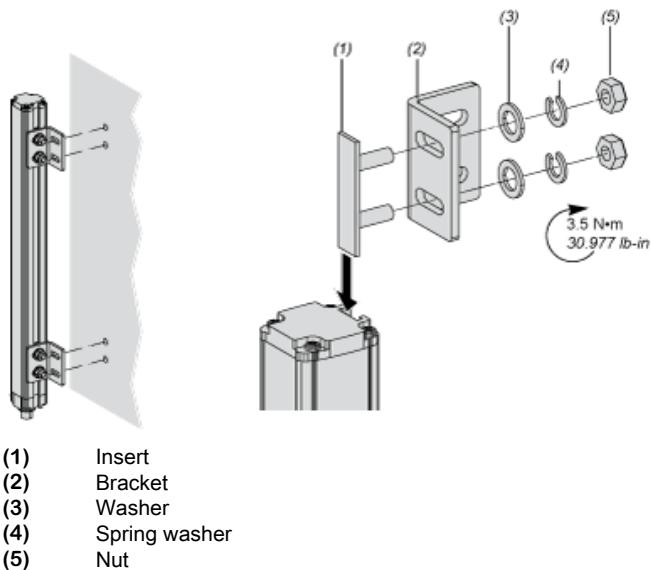
XUSL4E14F061N

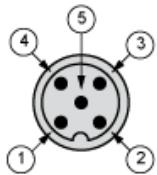
Dimensions Drawings

Brackets Dimensions



Mounting and Clearance

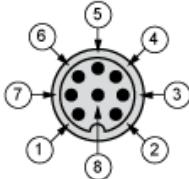


Wiring Diagrams**Transmitter Connections**

(1) +24 Vdc
 (2) Configuration_0
 (3) 0 Vdc
 (4) Configuration_1
 (5) FE

Transmitter configurations and operating modes

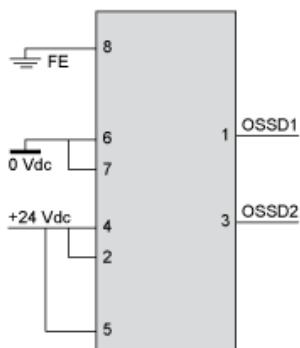
	High range option	Low range option	Transmitter in Test state	Forbidden wiring
Pin 4 : Configuration_1	24 V	0 V	0 V	24 V
Pin 2 : Configuration_0	0 V	24 V	0 V	24 V

Receiver Connections

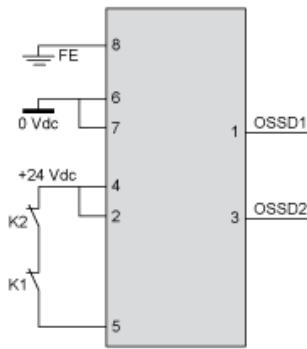
(1) OSSD1
 (2) + 24 V
 (3) OSSD2
 (4) Configuration_A
 (5) K1_K2 Feedback/Restart
 (6) Configuration_B
 (7) 0 Vdc
 (8) FE

Receiver Configurations and Operating Modes**Automatic Start/Restart**

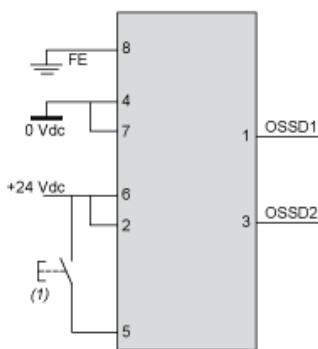
Without External Device Monitoring (EDM) feedback loop



With External Device Monitoring (EDM) feedback loop

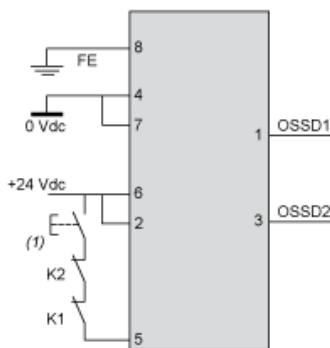
**Manual Start/Restart**

Without External Device Monitoring (EDM) feedback loop



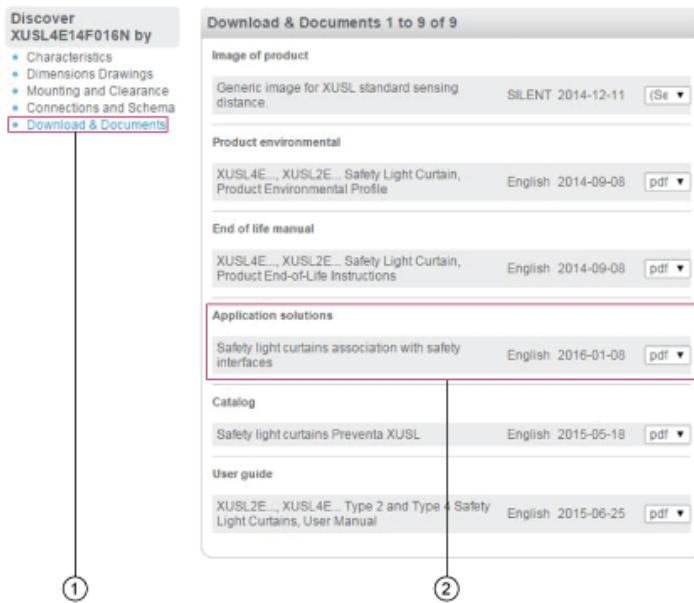
(1) Restart

With External Device Monitoring (EDM) feedback loop



(1) Restart

Connecting to a Safety Interface



Discover XUSL4E14F061N by

- Characteristics
- Dimensions Drawings
- Mounting and Clearance
- Connections and Schema
- Download & Documents

Download & Documents 1 to 9 of 9

Image of product

Generic Image for XUSL standard sensing distance. SILENT 2014-12-11 (See ▾)

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"

Recommended replacement(s)