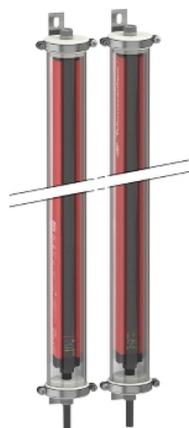# XUSL4E14F076NWC

Safety light curtain type 4, Telemecanique Safety light curtains XUSL, XUSL Finger IP69K w/o Heating, Std Sensing Range, Hp = 760 mm, R=14 mm

Green Premium™ Product

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…5 M by cabling 0…2 m by cabling
[Hp] Height protected	760 mm
Number of beams	75
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Response time	11 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 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
Type of cable	Unshielded cable AWG 22 10 m
Ohmic cable resistance (per m)	55.31 mOhm

Function available	Test
	Muting through external safety module XPSLCMUT1160
	LED display of operating modes and faults
	Anti-condensation system
Marking	CE
Material	PMMA (polymethyl methacrylate): tube
	Stainless steel AISI 316L: sealing plug
	PVC (polyvinyl chloride): cable
Housing colour	Red RAL 3000
Fixing mode	By fixing brackets
Net weight	5.55 kg
Offer type	Standard distance
Provided equipment	Without heating system

Environment

Directives	98/37/EEC - machinery
	89/336/EEC - electromagnetic compatibility
	89/655/EEC - work equipment
Product certifications	Ecolab
	CULus
	TÜV
	CE
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 = 1.19E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	-20…55 °C
	-10…55 °C
Ambient air temperature for storage	-30…70 °C
	-25…70 °C
Relative humidity	0…95 % without condensation
IP degree of protection	IP69K
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 Weight	6.166 kg
Package 1 Height	13.5 cm
Package 1 width	19.5 cm
Package 1 Length	85 cm

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

Contractual warranty

Warranty	18 months

XUSL4E14F076NWC

Dimensions
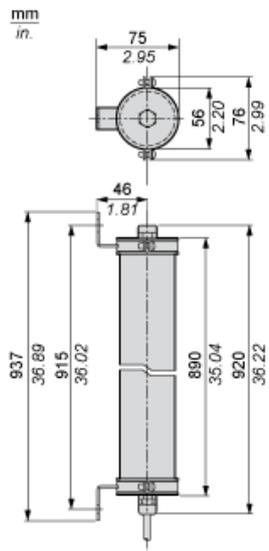
Mounting and Clearance

C = 2.8 Nm / 2.07 lb-in.
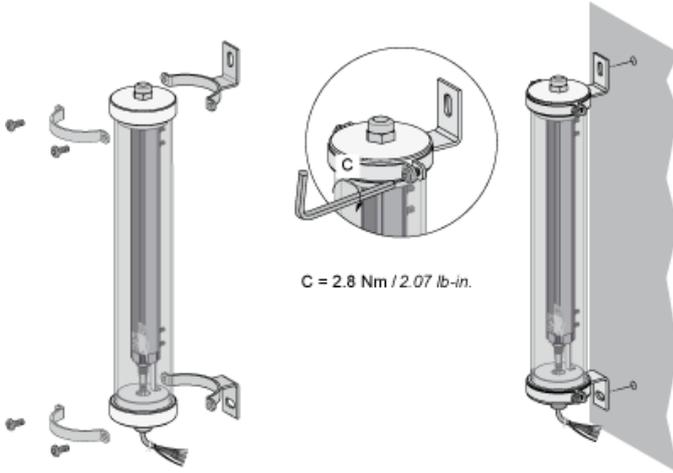
Wiring Diagrams

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

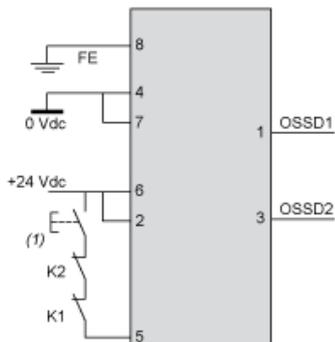Life Is On | Schneider Electric
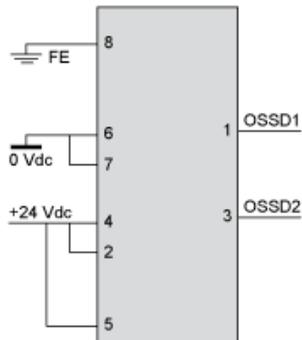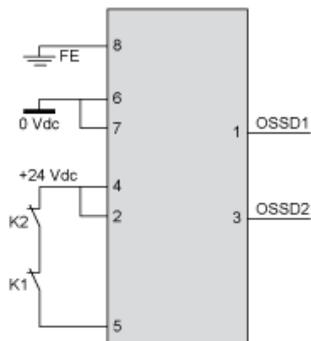
Manual Start/Restart

Without External Device Monitoring (EDM) feedback loop
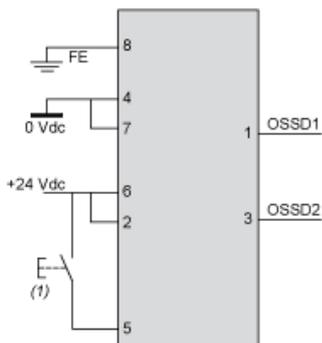
(1)   Restart

With External Device Monitoring (EDM) feedback loop

(1)   Restart

Connecting to a Safety Interface

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"