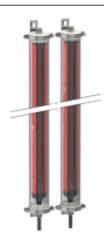
Product datasheet Characteristics

XUSL2E30H061NWH

XUSL type 2 IP69K Hand protection with Heating - Std range - Hp = 610mm, R=30mm



Main

Maili		
Range of product	Preventa Safety detection	
Product or component type	Safety light curtain type 2	
Device short name	XUSL2E	
Output type	2 safety outputs OSSD solid-state PNP (integrated arc suppression)	
Product specific application	For hand protection	
Minimum object diameter for detection	30 mm	
[Sn] nominal sensing distance	03 m by cabling 310 m by cabling	
Height protected	610 mm	:
Number of beams	31	:
Type of start	Automatic Manual	
Control type	Selected by wiring	

Complementary

Detection system	Transmitter-receiver system	
Response time	10 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	+/- 5 ° at 3 m	<u>9</u> .
Emission	IR LED (λ = 950 nm)	. <u></u>
[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	
[le] rated operational current	2 A	
Current consumption	42 mA no-load (transmitter)	e constant and a cons

	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	
Maximum power	10 W	
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 10 m	
Ohmic cable resistance	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	4.56 kg	
Offer type	Standard distance	
Provided equipment	With heating system	

Environment

LITVITOTITICITE		
Directives	89/655/EEC - work equipment 2002/96/EC - WEEE directive 98/37/EEC - machinery 2002/95/EC - RoHS directive 89/336/EEC - electromagnetic compatibility	
Product certifications	CE TÜV cULus	
Safety level	Type 2 conforming to IEC 61496-1 Category 2 conforming to EN/ISO 13849-1 SIL 1 conforming to IEC 61508 SILCL 1 conforming to IEC 62061 PL = c conforming to EN/ISO 13849-1	
Environmental characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2	
Service life	20 yr	
Safety reliability data	PFHd = 3.92E-8 1/h conforming to IEC 61508	
Ambient air temperature for operation	-13131 °F -2555 °C	
Ambient air temperature for storage	-2570 °C -13158 °F	
Relative humidity	<= 95 % without condensation	
IP degree of protection	IP69K	
Shock resistance	10 gn for 16 ms conforming to IEC 61496-1	

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 environmental	
Product end of life instructions	Available	
	☑ End of life manual	

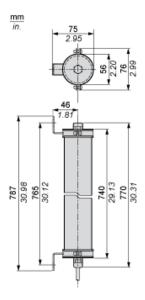
Contractual warranty

Warranty period	18 month	
warranty penou	18 month	

Product datasheet Dimensions Drawings

XUSL2E30H061NWH

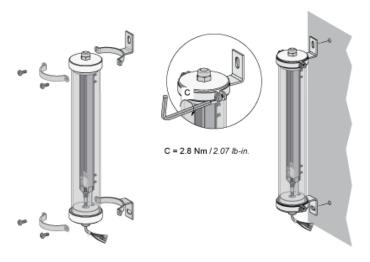
Dimensions



Product datasheet Mounting and Clearance

XUSL2E30H061NWH

Mounting and Clearance



Product datasheet Connections and Schema

XUSL2E30H061NWH

Wiring Diagrams

Transmitter Pre-wired

Brown: +24 Vdc White: Configuration_0

Blue: 0 Vdc

Green or Black: Configuration_1

Grey: Functional Earth

Yellow: 0 Vdc (Heating system) Red: +24 Vac/Vdc (Heating system)

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

Black: 0 Vdc (Heating system)
Violet: 24 Vac/Vdc (Heating system)

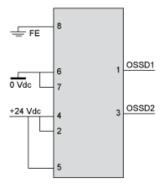
For configuration_A and configuration_B,please refer to receiver configuration and operating modes

XUSL2E30H061NWH

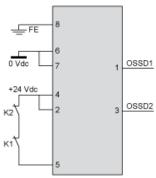
Receiver Configurations and Operating Modes

Automatic Start/Restart

Without External Device Monitoring (EDM) feedback loop

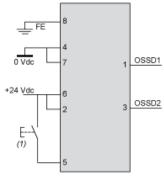


With External Device Monitoring (EDM) feedback loop



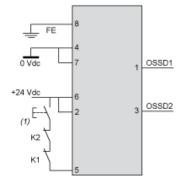
Manual Start/Restart

Without External Device Monitoring (EDM) feedback loop



(1) Restart

With External Device Monitoring (EDM) feedback loop



(1) Restart

Product datasheet Connections and Schema

XUSL2E30H061NWH

Connecting to a Safety Interface



- 1: Click on Download & Documents
- 2: Click on System user guide

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