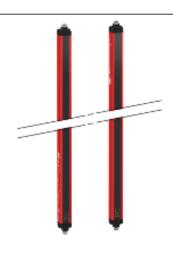
Product datasheet Characteristics

XUSL4E14F061NM

XUSL type 4 - Master for finger protection - Hp = 610 mm, R=14mm



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 finger protection			
Minimum object diameter for detection	14 mm			
[Sn] nominal sensing distance	16 m by cabling 03 m by cabling			
Height protected	610 mm			
Number of beams	60			
Type of start	Manual Automatic			
Control type	Selected by wiring			

Complementary

₩ Ψ					
*					
Main					
Range of product	Preventa Safety detection				
Product or component type	Safety light curtain type 4				
Device short name	XUSL4E				
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Number of beams	60				
Type of start	Manual Automatic				
Control type	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 (λ = 950 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				
[le] 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)				
May 00, 2047					

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)
Function available	Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults Test
Marking	CE
Material	Front panel : polycarbonate End caps : polypropylene Casing : aluminium
Housing colour	RAL 3000 : red
Fixing mode	By fixing brackets
Product weight	1.22 kg
Offer type	Standard distance
Topology	Daisy chain master

Environment

Livilorition					
Directives	98/37/EEC - machinery 2002/95/EC - RoHS directive 89/655/EEC - work equipment 2002/96/EC - WEEE directive 89/336/EEC - electromagnetic compatibility				
Product certifications	CULus TÜV CE				
Safety level	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				
Environmental characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2				
Service life	20 yr				
Safety reliability data	PFHd = 1.06E-8 1/h conforming to IEC 61508				
Ambient air temperature for operation	14131 °F -1055 °C				
Ambient air temperature for storage	-13158 °F -2570 °C				
Relative humidity	<= 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 = 1055 Hz) 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



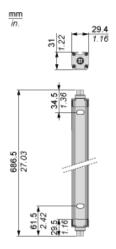
Contractual warranty

Warranty period 18 months

Product datasheet Dimensions Drawings

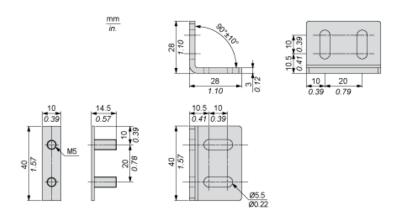
XUSL4E14F061NM

Dimensions



XUSL4E14F061NM

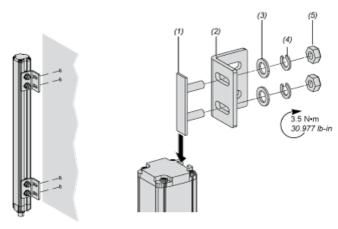
Brackets Dimensions



Product datasheet Mounting and Clearance

XUSL4E14F061NM

Mounting and Clearance



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

Product datasheet Connections and Schema

XUSL4E14F061NM

Wiring Diagrams

Transmitter Connections

Master primary connector at the bottom



- +24 Vdc
- Configuration_0 (2)
- 0 Vdc
- Configuration_1 (4)
- (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

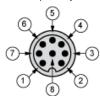
Master secondary connector at the top



- +24 Vdc
- (2) (3) Master/Slave_A
- 0 Vdc
- (4) Master/Slave_B
- FΕ

Receiver Connections

Master primary connector at the bottom



- OSSD1
- (2) + 24 V
- (3) OSSD2
- (4) Configuration_A
- K1_K2 Feeback/Restart (5)
- (6) Configuration_B
- (7) 0 Vdc
- FΕ

Master secondary connector at the top



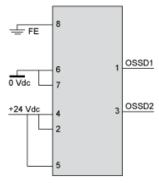
- +24 Vdc
- (1) (2) (3) (4) (5) Master/Slave_A 0 Vdc
- Master/Slave_B
- FΕ

XUSL4E14F061NM

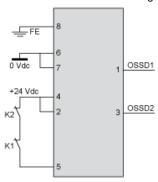
Receiver Configurations and Operating Modes

Automatic Start/Restart

Without External Device Monitoring (EDM) feedback loop

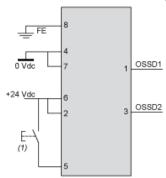


With External Device Monitoring (EDM) feedback loop



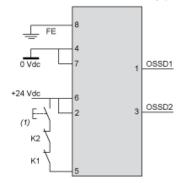
Manual Start/Restart

Without External Device Monitoring (EDM) feedback loop



(1) Restart

With External Device Monitoring (EDM) feedback loop

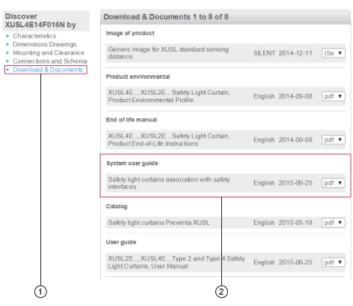


(1) Restart

Product datasheet Connections and Schema

XUSL4E14F061NM

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"