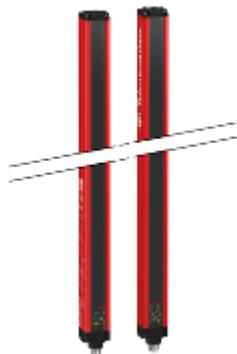


Product Datasheet

Characteristic

XUSL4E30H181N

XUSL type 4 - For hand protection - Std sensing range - Hp = 1810 mm, R=30mm



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
minimum object diameter for detection	1.18 in (30 mm)
[Sn] nominal sensing distance	0...12 m by cabling 0...4 m by cabling
height protected	71.26 in (1810 mm)
number of beams	91
type of start	Automatic Manual
control type	Selected by wiring

Complementary

detection system	Transmitter-receiver system
response time	22 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 ($\lambda = 950 \text{ nm}$)
[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
[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
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	7.28 lb(US) (3.3 kg)
offer type	Standard distance

Environment

directives	89/336/EEC - electromagnetic compatibility 2002/96/EC - WEEE directive 2002/95/EC - RoHS directive 98/37/EEC - machinery 89/655/EEC - work equipment
product certifications	CE cULus TÜV
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 = 2.02E-8 1/h conforming to IEC 61508
ambient air temperature for operation	-22...131 °F (-30...55 °C) 14...131 °F
ambient air temperature for storage	-31...158 °F (-35...70 °C) -13...158 °F
relative humidity	0...95 % without condensation
IP degree of protection	IP65 IP67
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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1425 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available