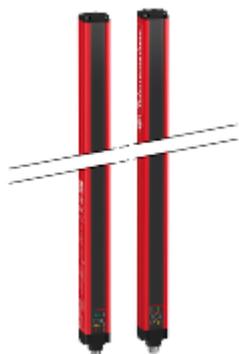


Product Datasheet

Characteristic

XUSL4E30H106N

XUSL type 4 - For hand protection - Std sensing range - Hp = 1060 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	1060 mm
number of beams	53
type of start	automatic manual
control type	selected by wiring

Complementary

detection system	transmitter-receiver system
response time	14 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 ($\lambda = 950$ 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	test muting through external safety module XPSLCMUT1160 LED display of operating modes and faults
marking	CE
material	casing : aluminium front panel: polycarbonate end caps: polypropylene
housing colour	RAL 3000: red
fixing mode	by fixing brackets
product weight	4.41 lb(US) (2 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	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
environmental characteristic	resistance to light disturbance conforming to EN/IEC 61496-2
service life	20 yr
safety reliability data	PFHd = 1.43E-8 1/h conforming to IEC 61508
ambient air temperature for operation	14...131 °F (-10...55 °C) 14...131 °F
ambient air temperature for storage	-13...158 °F (-25...70 °C) -13...158 °F
relative humidity	<= 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 -
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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