

Safety detection solutions

Safety light curtains, type 4

XUSL range

Increased sensing distance



XUSL4E30H016L

XUSL4E30H031L

Transmitter-receiver pairs for hand detection (1) (2)

Resolution 30 mm. Sensing distance 0...10 or 3...20 m, selectable by wiring

- 2 PNP outputs
- Operating temperature range: -20 °C...+55 °C
- TM (mission time): 20 years

Protected height	Total height	Number of light beams	Response time (t1)	PFH ₀ IEC 61508	Reference	Weight
mm	mm		ms			kg
160	213	8	3	9.13 x 10 ⁻⁹	XUSL4E30H016L	0.400
310	363	16	4	1.04 x 10 ⁻⁸	XUSL4E30H031L	0.700
460	513	23	5	1.16 x 10 ⁻⁸	XUSL4E30H046L	1.000
610	663	31	6	1.28 x 10 ⁻⁸	XUSL4E30H061L	1.200
760	813	38	6.5	1.41 x 10 ⁻⁸	XUSL4E30H076L	1.500
910	963	46	7.5	1.53 x 10 ⁻⁸	XUSL4E30H091L	1.700
1,060	1,113	53	8.5	1.66 x 10 ⁻⁸	XUSL4E30H106L	2.000
1,210	1,263	61	9.5	1.78 x 10 ⁻⁸	XUSL4E30H121L	2.300
1,360	1,413	68	10	1.91 x 10 ⁻⁸	XUSL4E30H136L	2.500
1,510	1,563	76	11	2.03 x 10 ⁻⁸	XUSL4E30H151L	2.800
1,660	1,713	83	12	2.16 x 10 ⁻⁸	XUSL4E30H166L	3.000
1,810	1,863	91	13	2.29 x 10 ⁻⁸	XUSL4E30H181L	3.300

Transmitter-receiver pairs for body detection (1) (2)

2, 3, or 4 beams. Sensing distance 0...10 or 3...20 m, selectable by wiring

- 2 PNP outputs
- Operating temperature range: -20 °C...+55 °C
- TM (mission time): 20 years

Protected height	Total height	Light beams Number/spacing	Response time (t1)	PFH ₀ IEC 61508	Reference	Weight
mm	mm		ms			kg
510	677	2 / 500 mm	2.5	9.15 x 10 ⁻⁹	XUSL4E2BB051L	1.100
810	977	3 / 400 mm	2.5	9.99 x 10 ⁻⁹	XUSL4E3BB081L	1.600
910	1,077	4 / 300 mm	2.5	1.08 x 10 ⁻⁸	XUSL4E4BB091L	1.700

(1) The safety light curtains are supplied with mounting brackets and screws.

(2) Connection cables and test rods must be ordered separately (see pages 24 and 25).