

# Safety detection solutions

## Safety light curtains, type 4

### XUSL range

With IP 69K sealed protection tube, no heating system



XUSL4E14F031NWC



XUSL4E30H046LWC

#### Transmitter-receiver pairs with IP 69K sealed protection tube for finger detection (1) (2)

Resolution 14 mm. Sensing distance 0...2 or 1...5 m, selectable by wiring

- 2 PNP outputs
- Operating temperature range: -20 °C...+55 °C
- Resistance to acidic and alkaline cleaning agents, and aliphatic hydrocarbons
- TM (mission time): 20 years

Pro- tected height	Total height	Number of light beams	Response time (t1)	PFH <sub>D</sub> IEC 61508	Reference	Weight
mm	mm		ms			kg
310	470	30	5.5	1.27 x 10 <sup>-8</sup>	XUSL4E14F031NWC	3.560
460	620	45	7.5	1.52 x 10 <sup>-8</sup>	XUSL4E14F046NWC	4.050
610	770	60	9	1.75 x 10 <sup>-8</sup>	XUSL4E14F061NWC	4.560
760	920	75	11	2.00 x 10 <sup>-8</sup>	XUSL4E14F076NWC	5.550

#### Transmitter-receiver pairs with IP 69K sealed protection tube for hand detection (1) (2)

Resolution 30 mm. Sensing distance 0...8 or 3...17 m, selectable by wiring

- 2 PNP outputs
- Operating temperature range: -20 °C...+55 °C
- Resistance to acidic and alkaline cleaning agents, and aliphatic hydrocarbons
- TM (mission time): 20 years

Pro- tected height	Total height	Number of light beams	Response time (t1)	PFH <sub>D</sub> IEC 61508	Reference	Weight
mm	mm		ms			kg
460	620	23	7.5	1.16 x 10 <sup>-8</sup>	XUSL4E30H046LWC	4.050
610	770	31	9	1.28 x 10 <sup>-8</sup>	XUSL4E30H061LWC	4.560
760	920	38	10.5	1.41 x 10 <sup>-8</sup>	XUSL4E30H076LWC	5.050
910	1,070	46	12.5	1.53 x 10 <sup>-8</sup>	XUSL4E30H091LWC	5.550
1,060	1,220	53	14	1.66 x 10 <sup>-8</sup>	XUSL4E30H106LWC	6.060

#### Transmitter-receiver pairs with IP 69K sealed protection tube for body detection (1) (2)

Sensing distance 0...8 or 3...17 m, selectable by wiring

- 2 PNP outputs
- Operating temperature range: -20 °C...+55 °C
- Resistance to acidic and alkaline cleaning agents, and aliphatic hydrocarbons
- TM (mission time): 20 years

Pro- tected height	Total height	Light beams Number/ spacing	Response time (t1)	PFH <sub>D</sub> IEC 61508	Reference	Weight
mm	mm		ms			kg
510	677	2 / 500 mm	2.5	9.15 x 10 <sup>-9</sup>	XUSL4E2BB051LWC	3.810
810	977	3 / 400 mm	3	9.99 x 10 <sup>-9</sup>	XUSL4E3BB081LWC	4.430
910	1,077	4 / 300 mm	3	1.08 x 10 <sup>-8</sup>	XUSL4E4BB091LWC	4.660

(1) These safety light curtains are supplied mounted in a sealed protection tube and pre-wired (10 m PVC cable). Mounting brackets are included. Light curtains with protection tube can be mounted on XUSZSS●●● rails.

(2) Test rods must be ordered separately (see page 24).

**Other versions:** Light curtains with sealed protection tube can be ordered for other protection heights than those listed above. Please contact our Customer Care Center.