

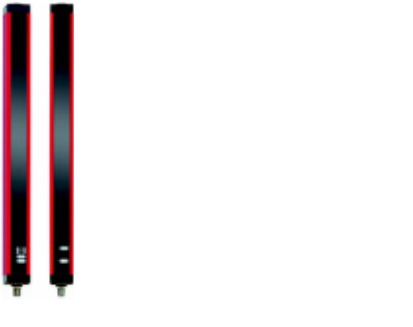



Applications		Materials handling, packaging, etc.	
Functions		Finger protection (14 mm) or hand protection (30 mm)	
Device		Safety light curtains, type 4	Safety light curtains, type 4
		Multi-beam, infrared transmission, light curtains (1 transmitter-receiver pair)	Multi-beam, infrared transmission, light curtains (Preventa safety monitoring module + 1 transmitter-receiver pair)
		Compact model, solid-state safety outputs (PNP)	Slim model, solid-state safety outputs (PNP)
			
Conformity		Product standards European directives ANSI/RIA R15.06, ANSI B11:19-1990, OSHA 1910.217(C), OSHA 1910.212, type 4 (ESPE) conforming to IEC 61496-1 and 2 Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336 EEC	
Product certifications		CE, TUV, UL, CSA	
Degree of protection		IP 65 (IP 67 with protection tube)	IP 65
Cross-section		35 mm x 50 mm	26 mm x 30 mm
Height protected		260...1390 mm (finger protection) 350...2095 mm (hand protection)	150...1800 mm (finger protection) 150...1800 mm (hand protection)
Nominal sensing distance		0.3...7.5 m (finger protection) 0.3...9 m or 0.3...20 m (hand protection)	0.3...4.5 m (finger protection) 0.3...7 m or 0.3...14 m (hand protection)
Response time		Depending on height protected: 20...40 ms (finger protection) Depending on height protected: 20...35 ms (hand protection)	Depending on height protected: 6.5...20.7 ms (finger protection) Depending on height protected: 5.9...13 ms (hand protection)
Type of outputs		Safety 2 solid-state PNP outputs (N/O) $\approx 24\text{ V}$, $\leq 500\text{ mA}$ Short-circuit protection Auxiliary 1 solid-state 100 mA, $\approx 24\text{ V}$, PNP or NPN output depending on model	
Main functions		Functions integrated in the light curtain: Auto/Manual start and manual 1st cycle, - EDM (external devices monitoring), - test input, - Blanking (ECS/B), Floating Blanking (FB) and Blanking + Floating Blanking, - Muting via external module	
“Muting” function (inhibition of the light curtain “detection” function)		Functions integrated in the light curtain monitoring module: - Auto/Manual start and manual 1st cycle, - EDM (external devices monitoring), - Blanking (ECS/B), Floating/Blanking (FB) and Blanking + Floating/Blanking, - Muting via an additional external module	
Supply voltage		$\approx 24\text{ V} \pm 20\%$, 2 A	$\approx 24\text{ V} \pm 10\%$, 2.25 A
Type references		XUS LT	XUS LM + XPS LCB 1141
Pages		30304/3 to 30304/5	30306/3 and 30306/4

Packaging, conveyor systems, materials handling, warehousing, stocking, etc.

Body protection (300, 400, 500 and 600 mm)	Hand protection (30 mm)	Body protection
Safety light curtains, type 4	Safety light curtains, type 2	Safety light curtains, type 2
1 to 6 beam light curtains with infrared transmission (1 transmitter-receiver pair)	Multi-beam light curtains with infrared transmission (1 transmitter-receiver pair)	Single-beam, infrared transmission, light curtains (Preventa safety monitoring module + 1 to 4 thru-beam photo-electric sensors)
Type 4 model, solid-state output	Slim, compact model, solid-state output Automatic or manual start	Type 2 model, relay outputs (N/O)
		
ANSI/RIA R15.06, ANSI B11:19-1990, OSHA 1910.217(C), OSHA 1910.212, type 4 (ESPE) conforming to IEC 61496-1 and 2 Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336/EEC	IEC 61496-1 and IEC 61496-2 type 2 (ESPE) Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336/EEC	IEC 60947-1, EN 61496-1, EN 60825-1, UL 508, type 2 (ESPE) conforming to IEC 61496-1 and 2 Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336/EEC EN 60825-1 (emission class 1)
CE, TUV, UL, CSA	CE, TUV, UL, CSA	CE type approval BIA/Cologne. UL, CSA
IP 65	IP 65	IP 67
52 mm x 55 mm	28.5 mm x 32 mm	Ø of sensors: 18 mm
750...1800 mm (1 to 6 light beams)	150...1500 mm (hand protection)	750...1200 mm (1 to 4 light beams)
0.8...20 m or 0.8...70 m dpg, on configuration 0.8...8 m for light curtains with passive receiver	0.3...15 m	8 m
< 16...< 24 ms depending on light beam coding selected	14...24 ms	< 20 ms (sensors + safety module)
2 solid-state PNP outputs (N/O) --- 24 V, ≤ 650 mA Short-circuit protection	2 solid-state PNP outputs (N/O) --- 24 V, ≤ 500 mA Short-circuit protection	Solid-state PNP Preventa safety module XPS CM outputs 2 guided contact relays, each 1 N/O AC-15: C300, 1800 VA inrush, 180 VA maintained DC-13: --- 24 V/1.5 A, L/R = 50 ms Maximum thermal current = 2.5 A
1 solid-state 100 mA, --- 24 V PNP output	1 x 100 mA, --- 24 V PNP alarm output	--- 24 V, 20 mA
Functions integrated in the light curtain: Auto/Manual start and manual 1 st cycle, - EDM (external devices monitoring), - test input, - 3 light beam codings available, - Muting via external module	Functions integrated in the light curtain: - automatic or manual start depending on version - Muting via external module	"Muting" integrated in the safety monitoring module XPS CM
--- 24 V ± 20%, 2 A	--- 24 V ± 20%, 2 A	Safety module XPS CM: --- 24 V (19...29 V) Sensors XU2 S: --- 24 V (10...30 V)
XUS LP●●●●	XUS LNG5C●●●●, XUS LNG5D●●●●	XU2 S●●●●●● + XPS CM
30313/3	30312/3	30303/4 and 30303/5