



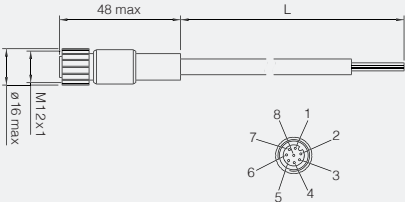
Safety light Curtains

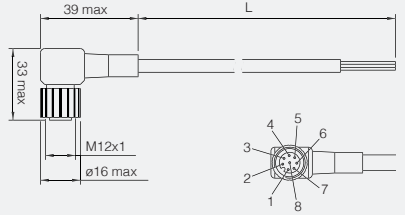
Accessories

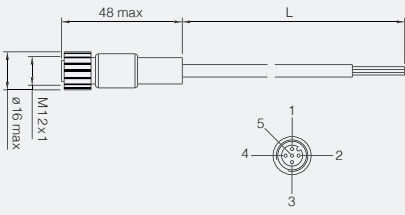


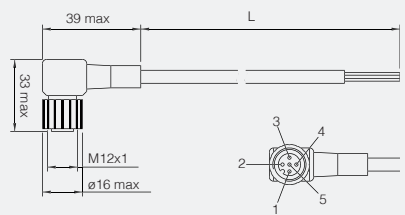
connectors

Safety
Accessories

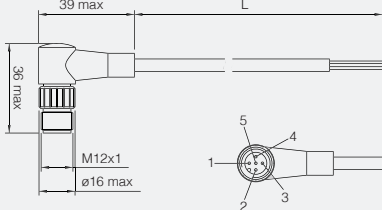
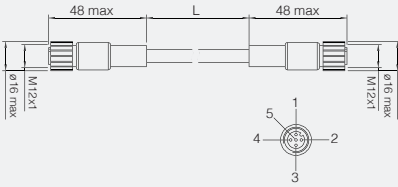
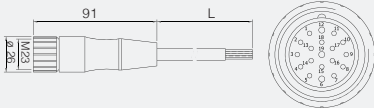
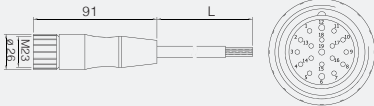
CD12M/0E-***A1 / M12 8 poles axial female connector with PVC cable			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 STANDARD (TX) • LS4 STANDARD (TX) • LP4ER/0*-***L12 (RX) • LP4PF Safety Sensors • SH e TH • SH-IC e TH-IC		M12 8 poles axial female connector with PVC cable. Cable length is represented by *** digits: 050 : 5 m 100 : 10 m 150 : 15 m 250 : 25 m 400 : 40 m

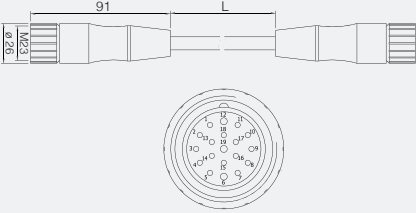
CD12M/0E-***C1 / M12 8 poles 90° female connector with PVC cable			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 STANDARD (RX) • LS4 STANDARD (RX) • LP4ER/0*-***L12 (RX) • LP4PF		M12 8 poles 90° female connector with PVC cable. Cable length is represented by *** digits: 050 : 5 m 100 : 10 m 150 : 15 m

CD12M/0H-***A3 / M12 5 poles axial female connector with PVC cable			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 BASE (TX e RX) • LS2 STANDARD (TX) • LS4 BASE (TX e RX) • LS4 STANDARD (TX) Safety Sensors • SH e TH • SH-IC e TH-IC		M12 5 poles axial female connector with PVC cable. Cable length is represented by *** digits: 050 : 5 m 100 : 10 m 150 : 15 m 250 : 25 m 500 : 50 m

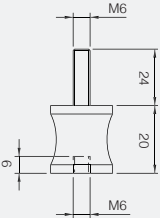
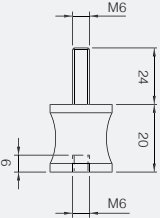
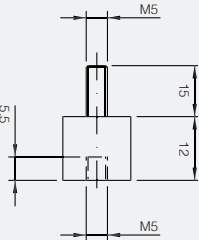
CD12M/0H-***C3 / M12 5 poles 90° female connector with PVC cable			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 BASE (TX e RX) • LS2 STANDARD (TX) • LS4 BASE (TX e RX) • LS4 STANDARD (TX) Safety Sensors • SH e TH • SH-IC e TH-IC		M12 5 poles 90° female connector with PVC cable. Cable length is represented by *** digits: 050 : 5 m 100 : 10 m 150 : 15 m

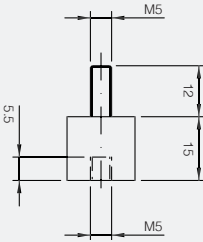
Accessories
Safety

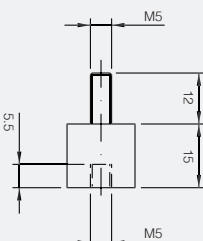
CD12M/0H-050D1 / M12 5 poles axial female connector			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4ER_M • LP4PT To be used for Muting		M12 5 poles axial female connector
CDP12/0H-***AC / M12 5 poles axial female female plug			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2_M, LS2_S, LS2_F (MASTER-SLAVE) • LS4_M, LS4_S, LS2_F (MASTER-SLAVE) • LP4ER, LP4ER_M: connection TX alla LP/BOX-1		M12 5 poles axial female female plug. Cable length is represented by *** digits: 003 : 0.3 m 030 : 3 m 050 : 5 m
CD23M/0R-***A1 / M23 19 poles axial connector with PVC cable			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4ER/40_L • LP4ER_M (RX) • LP4PT (Unità attiva)		M23 19 poles axial connector with PVC cable. Cable length is represented by *** digits: 030 : 3 m 050 : 5 m 100 : 10 m 150 : 15 m 200 : 20 m 300 : 30 m
CD23M/0R-***A1LM / M23 19 poles axial connector with PVC cable and external Muting Lamp wire			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4ER_M; • LP4_PT;		M23 19 poles axial connector with PVC cable and external Muting Lamp wire. Cable length is represented by *** digits: 200 : 20 m 300 : 30 m

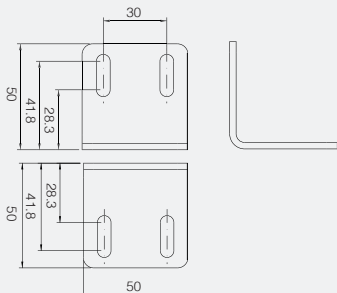
CDP23/0R-***AC / M23 19 poles axial female female plug			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains - LP4ER/40_L - LP4ER_M (RX) - LP4PT (active unit) To connect RX or Active Unit to LP/BOX-1		M12 5 poles axial female female plug. Cable length is represented by *** digits: 030 : 3 m 050 : 5 m 100 : 10 m

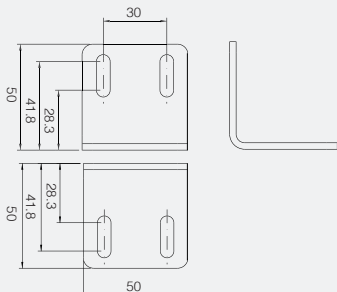
mounting brackets and anti-vibrating bumpers

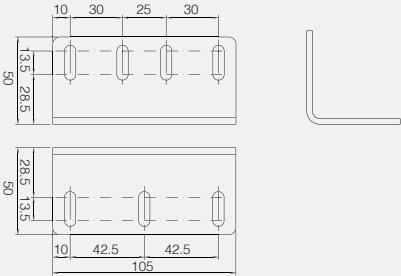
ST VP 4 / 4 pieces anti-vibrating bumpers kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains LP4		4 pieces anti-vibrating bumpers kit for LP4 Safety light Curtains
ST VP 6 / 6 pieces anti-vibrating bumpers kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains LP4		6 pieces anti-vibrating bumpers kit for LP4 Safety light Curtains
ST 4V S / 4 pieces anti-vibrating bumpers kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains - LS2 - LS4		4 pieces anti-vibrating bumpers kit for LS4 Safety light Curtains 150 mm protected height models

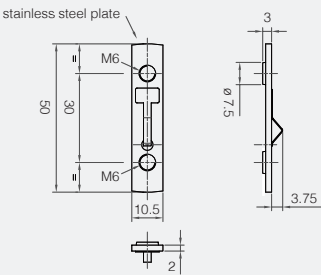
ST 8V S / 8 pieces anti-vibrating bumpers kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		8 pieces anti-vibrating bumpers kit for LS4 Safety light Curtains 150...1,050 mm protected height models

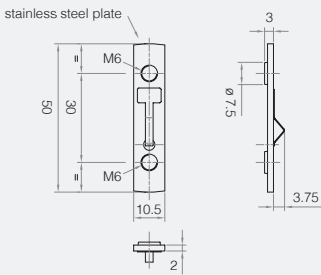
ST 12V S / 12 pieces anti-vibrating bumpers kit for LS4 Safety light Curtains			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		12 pieces anti-vibrating bumpers kit for LS4 Safety light Curtains 1,200...1,800 mm protected height models

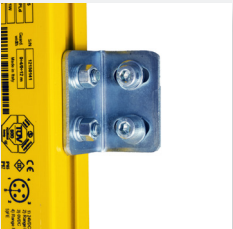
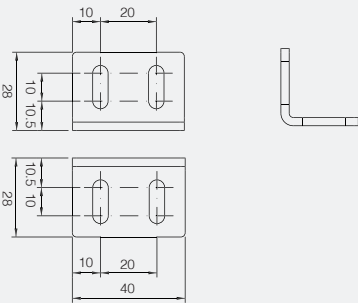
ST 201 4 / 4 pieces L short mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4		4 pieces L short mounting brackets kit for LP4 Safety light Curtains

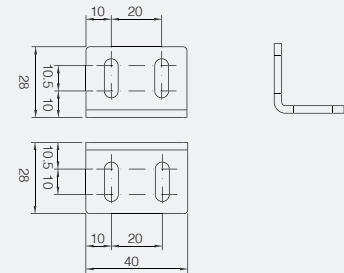
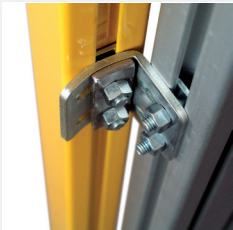
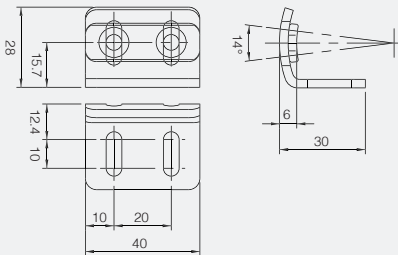
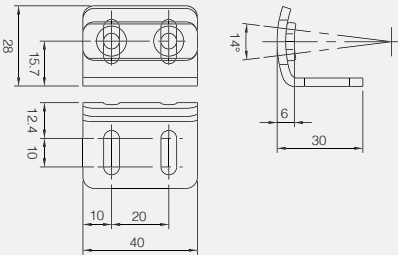
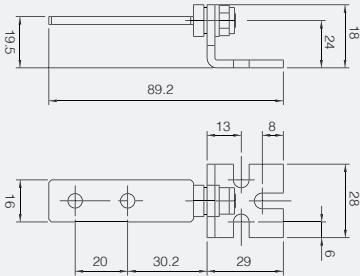
ST 201 6 / 6 pieces L short mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4		6 pieces L short mounting brackets kit for LP4 Safety light Curtains

ST 202 4 / 4 pieces L curved mounting brackets for passive element			
product	to be used with	dimensions (mm)	description / installation
			4 pieces L curved mounting brackets for passive element of LP4PF and LP4PT series

ST 203 4 / 4 pieces mounting nuts kit for LP4 Safety light Curtains			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4		4 pieces mounting nuts kit for LP4 Safety light Curtains

ST 203 6 / 6 pieces mounting nuts kit for LP4 safety light curtains			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4		6 pieces mounting nuts kit for LP4 Safety light Curtains

ST 204 4S / 4 pieces mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		4 pieces mounting brackets kit for LS2/LS4 Safety light Curtains

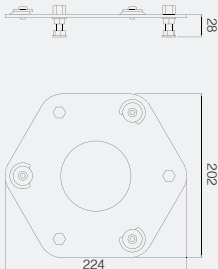
ST 204 6S / 6 pieces mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		6 pieces mounting brackets kit for LS2/LS4 Safety light Curtains
ST 206 4S / 4 pieces L curved mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		4 pieces L curved mounting brackets and nuts kit for LS2/LS4 Safety light Curtains to ease mechanical installation
ST 206 6S / 6 pieces L curved mounting brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		6 pieces L curved mounting brackets and nuts kit for LS2/LS4 Safety light Curtains to ease mechanical installation
ST 207 S / 4 pieces rotating brackets kit			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		4 pieces rotating brackets and nuts kit for LS2/LS4 Safety light Curtains

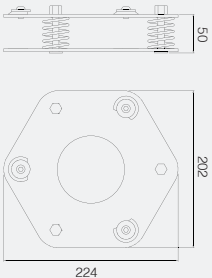
test rod

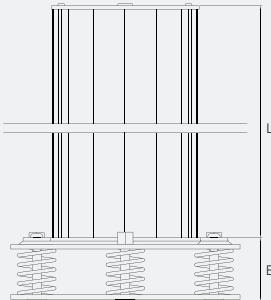
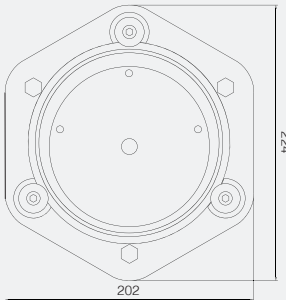
ST 2214 / 2220 / 2230 / 2240 / 2250			
product	to be used with	dimensions (mm)	description / installation
	Safety light curtains • LS4ER/14 • LS4ER/20 • LS2ER/30 • LS4ER/30 • LS2ER/40 • LS4ER/40 • LP4ER/40		14 - 20 - 30 - 40 - 50 mm resolution test rod

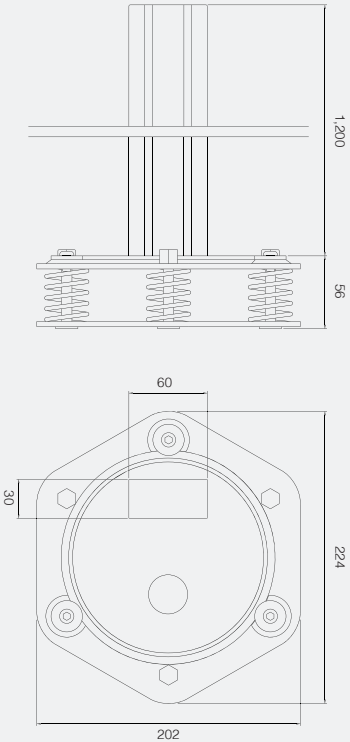
model	BLACK painted aluminum pipe	
	Dim. "A" (mm)	Dim. "A" (mm)
ST 2214	Ø 14	1
ST 2220	Ø 20	1
ST 2230	Ø 30	1
ST 2240	Ø 40	1
ST 2250	Ø 50	1,5

protective columns for safety light curtains

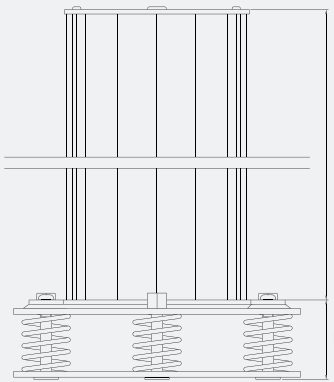
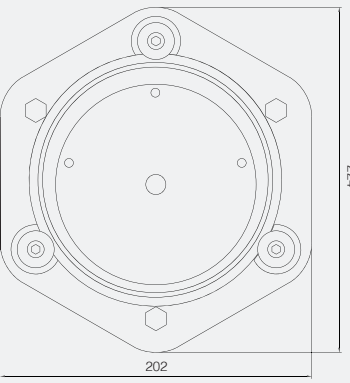
ST F FIX / standard column base			
product	to be used with	dimensions (mm)	description / installation
	Columns for Safety series • ST CL*** • ST CLS***		Standard column base

ST FLEX / column base with load springs			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • ST CL*** • ST CLS***		Column base with load springs

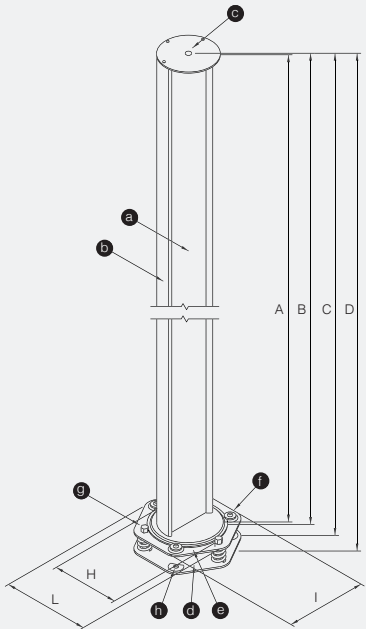
product	to be used with	dimensions (mm)	description / installation																							
ST CL A	2 beams LP4 Safety light Curtains		Column for LP 2 beams light curtain																							
ST CL B	3 beams LP4 Safety light Curtains		Column for LP 3 beams light curtain																							
ST CL C	4 beams LP4 Safety light Curtains		Column for LP 4 beams light curtain																							
ST CL 17	LP4 Safety light Curtains h ≤ 1,700 mm		Column for h=1,700 mm LP light curtains																							
ST CL 20	LP4 Safety light Curtains h ≤ 2,000 mm		Column for h=2,000 mm LP light curtains																							
ST CL AP	Safety light Curtains LP4 2 beams		Column for 2 beams LP light curtains, with PG11 connection																							
ST CL BP	Safety light Curtains LP4 3 beams		Column for 3 beams LP light curtains, with PG11 connection																							
ST CL CP	Safety light Curtains LP4 4 beams		Column for 4 beams LP light Curtains, with PG11 connection																							
ST CL 17P	Safety light Curtains LP4 h ≤ 1,700 mm		<table><tr><th>models</th><th>ST CL A</th><th>ST CL B</th><th>ST CL C</th><th>ST CL 17</th><th>ST CL 20</th></tr><tr><th>ST CL AP</th><th>ST CL BP</th><th>ST CL CP</th><th>ST CL 17P</th><th>ST CL 20P</th><td></td></tr><tr><td>QUOTE 'L' [mm]</td><td>1,000</td><td>1,200</td><td>1,330</td><td>1,700</td><td>1,970</td></tr><tr><td>QUOTE B' [mm]</td><td colspan="5">55</td></tr></table>	models	ST CL A	ST CL B	ST CL C	ST CL 17	ST CL 20	ST CL AP	ST CL BP	ST CL CP	ST CL 17P	ST CL 20P		QUOTE 'L' [mm]	1,000	1,200	1,330	1,700	1,970	QUOTE B' [mm]	55			
models	ST CL A	ST CL B		ST CL C	ST CL 17	ST CL 20																				
ST CL AP	ST CL BP	ST CL CP		ST CL 17P	ST CL 20P																					
QUOTE 'L' [mm]	1,000	1,200	1,330	1,700	1,970																					
QUOTE B' [mm]	55																									
ST CL 17P	Safety light Curtains LP4 h ≤ 1,700 mm		Column for LP light curtains h = 1,700 mm, with PG11 connection																							
			Column for LP light Curtains h = 2,000 mm, with PG11 connection																							

product	to be used with	dimensions (mm)					description / installation
ST AX	Safety light Curtains • LS2 • LS4 • LP4						"Simple" Column for LP and LS light curtains



product	to be used with	dimensions (mm)	description / installation																									
ST CLS B	Safety light Curtains • LS2ER/0A • LS4 ER/0A • LS2ER/**- 030(045)(060) • LS4ER/**- 030(045)(060)		Column for LS 2 beams light Curtain																									
ST CLS C	Safety light Curtains • LS2ER/0B(0C) • LS4 ER/0B(0C) • LS2ER/**- 075 (090)(105) • LS4ER/**- 075 (090)(105)		Column for LS 3 and 4 beams light Curtain																									
ST CLS 17	Safety light Curtains • LS2ER/**- 120 (135) • LS4ER/**- 120 (135)		Column for LS h = 1,700 mm																									
ST CLS 20	Safety light Curtains • LS2ER/**- 150 • LS4ER/**- 150		Column for LS h = 2,000 mm																									
ST CLS BP	Safety light Curtains • LS2ER/0A • LS4 ER/0A • LS2ER/**- 030 (045)(060) • LS4ER/**- 030 (045)(060)		Column for LS 2 beams light Curtain, with PG11 connection																									
ST CLS CP	Safety light Curtains • LS2ER/0B(0C) • LS4 ER/0B(0C) • LS2ER/**- 075 (090)(105) • LS4ER/**- 075 (090)(105)		Column for LS 3 and 4 beams light Curtain, with PG11 connection																									
ST CLS 17P	Safety light Curtains • LS2ER/**- 120 (135) • LS4ER/**- 120 (135)		Column h=1,700 mm for LS light Curtain, with PG11 connection																									
ST CLS 20P	Safety light Curtains • LS2ER/**- 150 • LS4ER/**- 150		Column h=2,000 mm for LS light Curtain, with PG11 connection																									
		<table><tr><th>model</th><th>ST CLS B</th><th>ST CLS C</th><th>ST CLS 17</th><th>ST CLS 20</th></tr><tr><th></th><th>ST CLS BP</th><th>ST CLS CP</th><th>ST CLS 17P</th><th>ST CLS 20P</th></tr><tr><td>QUOTE 'L' [mm]</td><td>1,000</td><td>1,330</td><td>1,660</td><td>1,970</td></tr><tr><td>QUOTE B' [mm] with ST FLEX base</td><td colspan="4">55</td></tr><tr><td>QUOTE B' [mm] with ST FIX base</td><td colspan="4">34</td></tr></table>	model	ST CLS B	ST CLS C	ST CLS 17	ST CLS 20		ST CLS BP	ST CLS CP	ST CLS 17P	ST CLS 20P	QUOTE 'L' [mm]	1,000	1,330	1,660	1,970	QUOTE B' [mm] with ST FLEX base	55				QUOTE B' [mm] with ST FIX base	34				
model	ST CLS B	ST CLS C	ST CLS 17	ST CLS 20																								
	ST CLS BP	ST CLS CP	ST CLS 17P	ST CLS 20P																								
QUOTE 'L' [mm]	1,000	1,330	1,660	1,970																								
QUOTE B' [mm] with ST FLEX base	55																											
QUOTE B' [mm] with ST FIX base	34																											

deviating mirrors or columns with integrated mirrors

product	to be used with	dimensions (mm)	description / installation																																				
SLA CL	Safety light Curtains • LS2 • LS4 • LP4	 A b profile height and corresponding a mirror height B Total SL X CL height (without ST FIX or ST FLEX base) C Total SL X CL height with ST FIX base D Total SL X CL height with ST FLEX base E Max ST FLEX height from floor (load springs height) F Max ST FIX height from floor (blocks height) G Upper plate thickness including level ball H SL X CL base diameter I ST FIX or ST FLEX amount of space L ST FIX or ST FLEX amount of space a Mirror b Column housing c d Lower fixing plate for ST FLEX base e Upper fixing plate for ST FLEX where to mount SL X CL column or ST FIX ground fixing plate f Column fixing screws and orientating reference rings g ST FLEX inclination adjusting nuts or ST FIX reference plane inclination adjusting double nuts h Floor fixing nuts place	Column with mirrors for 2 beams safety light curtain																																				
SLB CL			Column with mirrors for 3 beams safety light curtain																																				
SLC CL			Column with mirrors for 4 beams safety light curtain																																				
SL 17 CL			Column with mirrors h = 1,700 mm																																				
SL 20 CL			Column with mirrors h = 2,000 mm																																				
		<table><tr><th>model</th><th>QUOTE A ⁽¹⁾</th><th>QUOTE B ⁽²⁾</th><th>QUOTE C ⁽³⁾</th><th>QUOTE D ⁽⁴⁾</th><th>application</th></tr><tr><td>SL A CL</td><td>1,000</td><td>1,016</td><td>1,036</td><td>1,066</td><td>2 beams perimetral protection</td></tr><tr><td>SL B CL</td><td>1,200</td><td>1,216</td><td>1,246</td><td>1,256</td><td>3 beams perimetral protection</td></tr><tr><td>SL C CL</td><td>1,330</td><td>1,346</td><td>1,366</td><td>1,386</td><td>4 beams perimetral protection</td></tr><tr><td>SL 17 CL</td><td>1,700</td><td>1,716</td><td>1,736</td><td>1,756</td><td>Perimetral protection with height up to 1,360 mm</td></tr><tr><td>SL 20 CL</td><td>1,970</td><td>1,986</td><td>2,006</td><td>2,026</td><td>Perimetral protection with height up to 1,660mm</td></tr></table>	model	QUOTE A ⁽¹⁾	QUOTE B ⁽²⁾	QUOTE C ⁽³⁾	QUOTE D ⁽⁴⁾	application	SL A CL	1,000	1,016	1,036	1,066	2 beams perimetral protection	SL B CL	1,200	1,216	1,246	1,256	3 beams perimetral protection	SL C CL	1,330	1,346	1,366	1,386	4 beams perimetral protection	SL 17 CL	1,700	1,716	1,736	1,756	Perimetral protection with height up to 1,360 mm	SL 20 CL	1,970	1,986	2,006	2,026	Perimetral protection with height up to 1,660mm	
model	QUOTE A ⁽¹⁾	QUOTE B ⁽²⁾	QUOTE C ⁽³⁾	QUOTE D ⁽⁴⁾	application																																		
SL A CL	1,000	1,016	1,036	1,066	2 beams perimetral protection																																		
SL B CL	1,200	1,216	1,246	1,256	3 beams perimetral protection																																		
SL C CL	1,330	1,346	1,366	1,386	4 beams perimetral protection																																		
SL 17 CL	1,700	1,716	1,736	1,756	Perimetral protection with height up to 1,360 mm																																		
SL 20 CL	1,970	1,986	2,006	2,026	Perimetral protection with height up to 1,660mm																																		

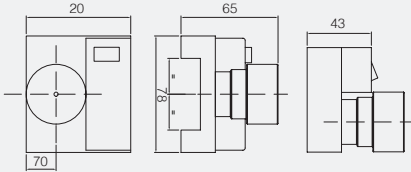
⁽¹⁾ Housing or mirror height ⁽²⁾ Total column height without base
⁽³⁾ Total height with ST FIX base ⁽⁴⁾ Total height with ST FLEX base

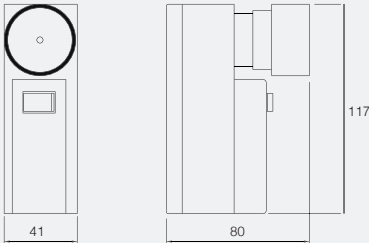


product	to be used with	dimensions (mm)	description / installation
SL 015	Safety light Curtains • LS2 • LS4 • LP4		Mirror for 160 mm protected height
SL 030			Mirror for 310 mm protected height
SL 045			Mirror for 460 mm protected height
SL 060			Mirror for 610 mm protected height
SL 075			Mirror for 760 mm protected height
SL 090			Mirror for 910 mm protected height
SL 105			Mirror for 1,060 mm protected height
SL 120			Mirror for 1,210 mm protected height
SL 135			Mirror for 1,360 mm protected height
SL 150			Mirror for 1,510 mm protected height
SL 165			Mirror for 1,660 mm protected height
SL 180			Mirror for 1,810 mm protected height

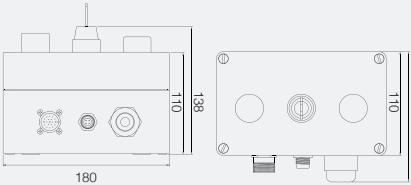
model	mirror	Safety light Curtain	
	H	protected height	type
SL 015	250	160	light Curtain
SL 030	400	310	
SL 045	540	460	
SL 060	715	610	2 beams
SL 075	885	760	light Curtain
SL 090	1,060	910	3 beams
SL 105	1,230	1,060	4 beams
SL 120	1,400	1,210	light Curtain
SL 135	1,450	1,360	
SL 150	1,600	1,510	
SL 165	1,750	1,660	
SL 180	1,900	1,810	

laser pointer

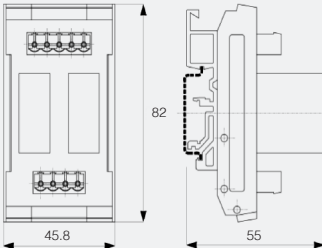
STL 01 P			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4		Laser pointer for LP safety light Curtain

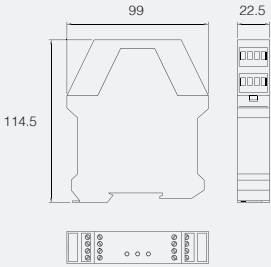
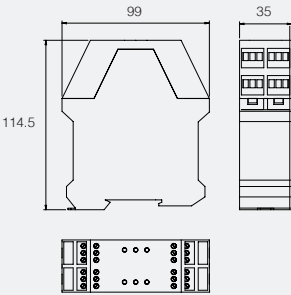
STL 01 S			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		Laser pointer for LS safety light Curtain

box d'interconnessione

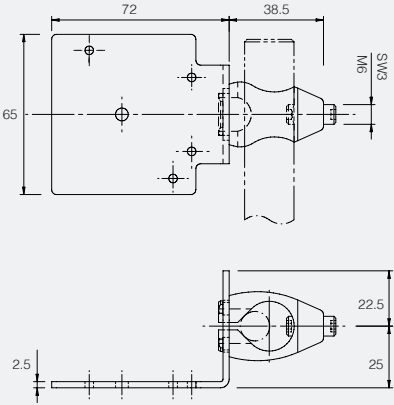
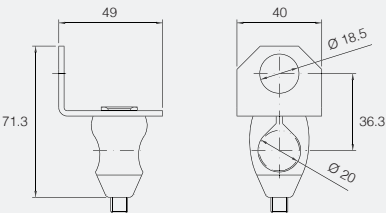
LP / BOX - 1			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LP4ER_M • LP4PT		Control box: Start, Override, Muting Lamp, M12 and M23 connectors, 2 NO + 1 NC Relay

relay modules / safety modules

SB 300			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4 • LP4		Force guided relay module

SB 400			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4 • LP4		Cat. 4 Safety Module
SB 400M			
product	to be used with	dimensions (mm)	description / installation
	Safety light Curtains • LS2 • LS4		Cat. 4 Safety Module with integrated Muting function

SBCR03 and SH-IA/IC TH-IA/IC accessories series

STC 00			
product	to be used with	dimensions (mm)	description / installation
	RL110,116,113G reflectors		RL110,116,113G bracket for cylindrical rod
STC 18			
product	to be used with	dimensions (mm)	description / installation
	SH-IA/IC, TH-IA/IC safety photocells		SH-IA/IC, TH-IA/IC bracket for cylindrical rod