

cegard/Lift LX/LY

Technical data

FEATURES

- ▷ Designed for elevator cabins without car doors
- ▷ Suitable for all elevator controllers
- ▷ Great alternative if an installation of doors is not realizable
- ▷ TÜV approved
- ▷ Comfortable installation and integration, even with older elevator controllers
- ▷ Designed to survey one or two lift accesses simultaneously
- ▷ No adjustments and least alignment effort
- ▷ Surface mounting and back wall mounting kit for easy installation
- ▷ Robust and compact design
- ▷ Self-calibrating
- ▷ Also available for applications in ATEX areas (Zone 2/22)



OPTICAL

Operating range	0.7 ... 4 m (4 ... 8 m on request)	
Standard protection heights*	1,630 mm	1,908 mm
No. of optical elements	16	24
No. of beams	46	70
Aperture angle Tx and Rx	±20°	
Max. ambient light	Acc. to IEC 61496-2	
Wave length	Infrared 850 nm	

MECHANICAL

Dimensions (w × h × l)		
Edges		
- Length	1,730 mm	2,000 mm
- Cross-section	14 mm × 17 mm	
Controller	358 × 371 × 201.5 mm	
Housing material - edges	Natural anodized aluminum	
Enclosure rating		
- Edges	IP65 (IP67 on request)	
- Controller	IP54	
Temperature range (operation)		
- cegard/Lift LX/LY	+10°C ... +65°C	
- cegard/Lift LX/LY IP67	-20°C ... +65°C	

GENERAL

Functional safety	EN 61508:2010, EN ISO 13849-1:2015 EN 62061:2017
Safety light curtain	EN 61496-1:2020, EN 61496-2:2020
Safety of machinery	EN ISO 60204-1:2019
Certificates	
- TÜV Nord	EN 61508 SIL 2 and EN ISO 13849-1 Cat. 2 / PL d
- CE and UKCA	2006/42/EG
RoHS	2011/65/EU

* other protection heights are optionally available

ELECTRICAL

Supply voltage U _{Sp}		195 ... 265 VAC
Typ. current consumption at 24 VDC		< 200 mA
Relay output		
- Safety circuit		Two channel relay 230 VAC / 4 A
- Door locking circuit	LX	Door lock contactor 380 VAC / 16 A
	LY	Rectifier 230 VDC / 2 A
Semiconductor outputs Alarm		PNP, max. 100 mA
(K1/K2) (1x)		(only for LED indication of reset button)
Inputs		
	Safety	12 ... 380 VAC / DC
	Reset	12 ... 265 VAC / DC
Response time output (16 elements)		< 150 ms, typ. 100 ms
Indicator LED		
	- System controller	5x LEDs & 7-Segment
	- Light curtain controller	5x LEDs
Acoustic signal		2x Buzzer, 4 kHz
		On/Off selectable

CONNECTION CABLE

	Tx (Emitter)	Rx (Receiver)
Length**	6 m	6 m
Material	PVC, black	PVC, black
Diameter	Ø 6 mm	Ø 6 mm
Connection	RJ50 (1.2 cm × 1.5 cm)	RJ50 (1.2 cm × 1.5 cm)
Plug color	White, 10-pin	Blue, 10-pin

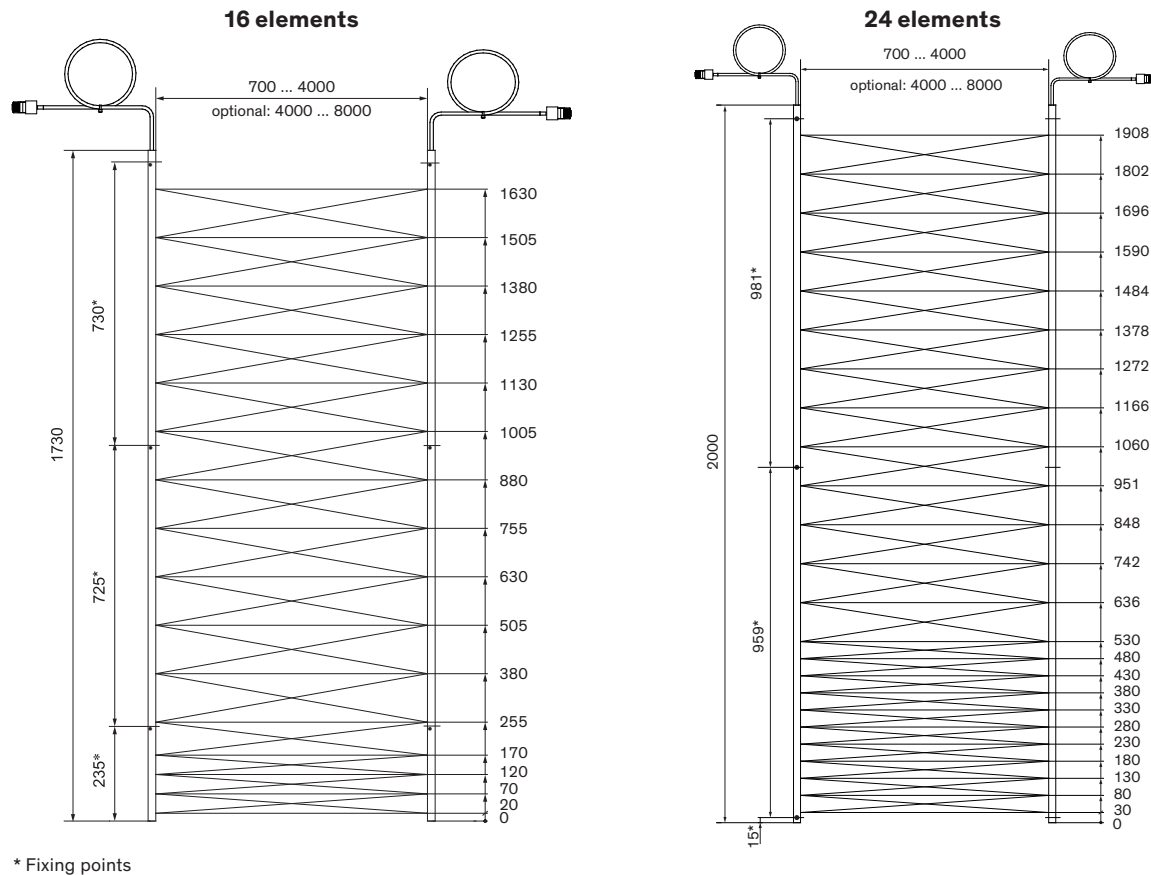
** other cable lengths are optionally available



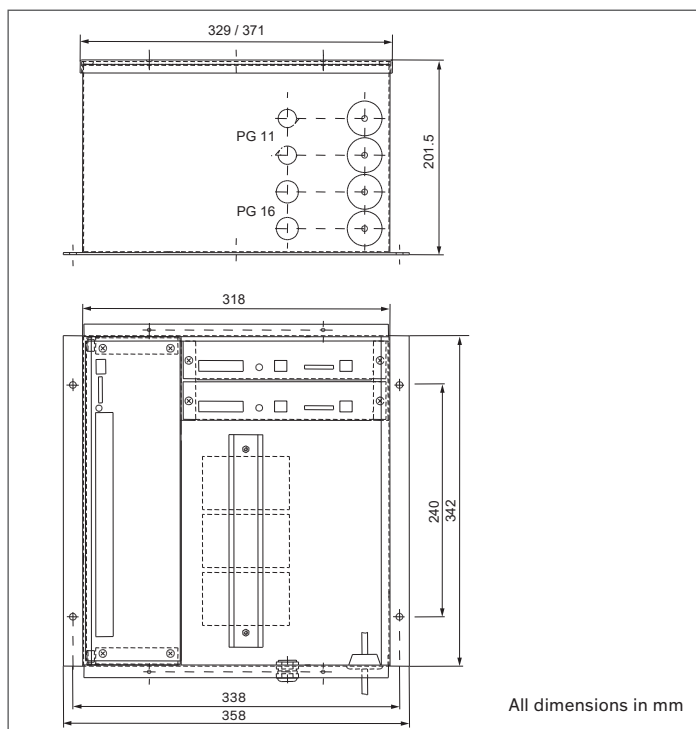
CEDES AG is certified according to ISO 9001: 2015.

Dimensions

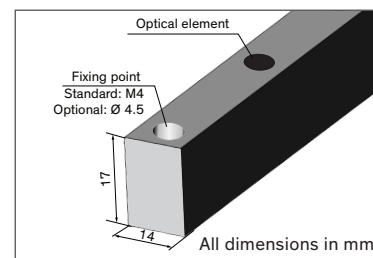
All dimensions in mm
Proportions not to scale



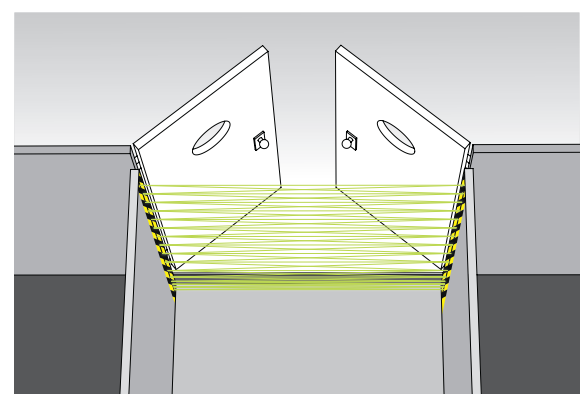
Control unit



Detailed view



Application



cegard/Lift LX/LY for safer journeys in
elevators without car doors