

easygard100

Light curtain with 32 or 36 elements | push-pull or relay output

Technical data

FEATURES

- Ideal for both: static and dynamic installations
- Suitable for center and side opening
- Multiple criss-cross beams for a reliable detection
- Criss-cross light beams remain fully active until doors are closed
- Easy installation
- Optional power converter



OPTICAL

Operating range	0 ... 3 m	
No. of optical elements	32	36
No. of beams	154	174
Protection height	1,857 mm	1,675 mm
Max. ambient light	100,000 Lux	
Wave length	Infrared 940 nm	

MECHANICAL

Dimensions (w × h × l)	11 × 24.5 × 2,000 mm
Housing material	Aluminum, black powder coated
Enclosure rating	IP54
Temperature range (operation / storage)	-20°C ... +65°C / -40°C ... +75°C

ELECTRICAL

Supply voltage U _{sp}	10 ... 30 VDC
Typ. current consumption at 24 VDC (without load)	< 50 mA
Output	Solid state relay or push-pull
Output logic	Selectable with logic selector input
Max. output load (push-pull)	100 mA, 100 nF
Max. switching capacity (relay)	150 mA / 50 V
Typ. response time	< 100 ms
1 LED indicator Tx	Red ON – Power
2 LED indicators Rx	- Red ON - OFF Red ON Power No object Object detected

CONNECTION CABLE AND ELECTRICAL CONNECTION

Cable length	3.8 m - Fixed cable - With M8 connectors 400 mm (pig tail) 3.3 m (connection cable)	
Diameter	Tx: Ø 3.5 mm	Rx: Ø 4.2 mm
Material	PVC, black	
Connection	M8, Ø 10 mm	
	Tx: 4-pin	Rx: 6-pin
Plug color	- Emitter (Tx) White - Receiver (Rx) Blue	
Wires	AWG26	
• brown	U _{sp}	
• blue	GND (0 V)	
• white	Synchronization	
• black	Tx: Not used	Rx push-pull: Output Rx relay: Output A
• gray	Tx: n/a	Rx push-pull: Logic selector Rx relay: Logic selector
• green	Tx: n/a	Rx push-pull: Not used Rx relay: Output B

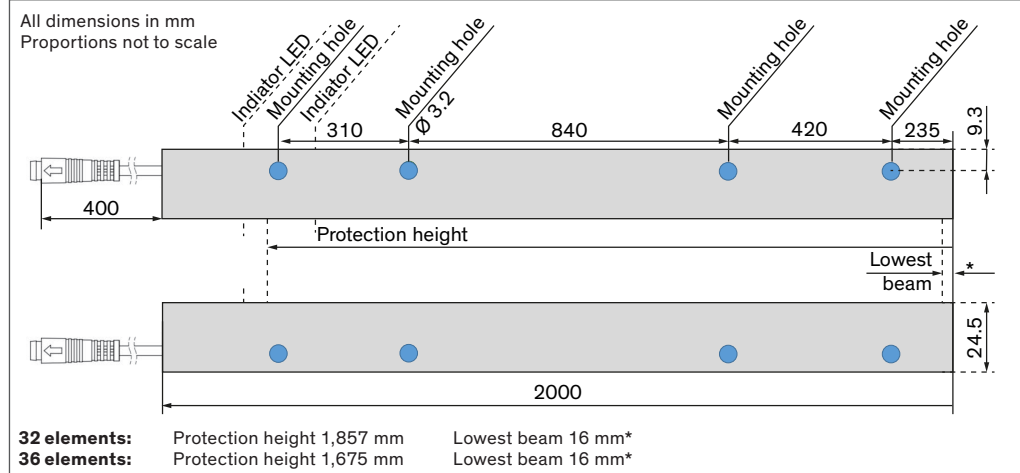
GENERAL

EMC emission	EN 12015:2014
EMC immunity	EN 12016:2013
Vibration	IEC 60068-2-6:2007
Shock	IEC 60068-2-27:2008
Cable durability	IEC 60227-2:2003
RoHS	2011/65/EU
Certificate	CE - 2014/30/EU, 2014/33/EU, UKCA

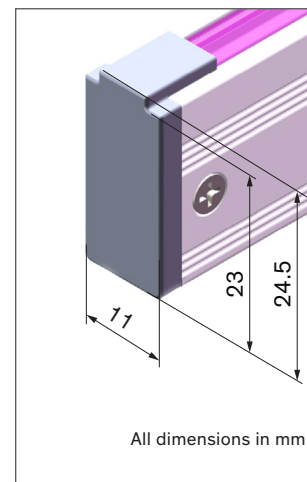


CEDES AG is certified according to ISO 9001: 2015.

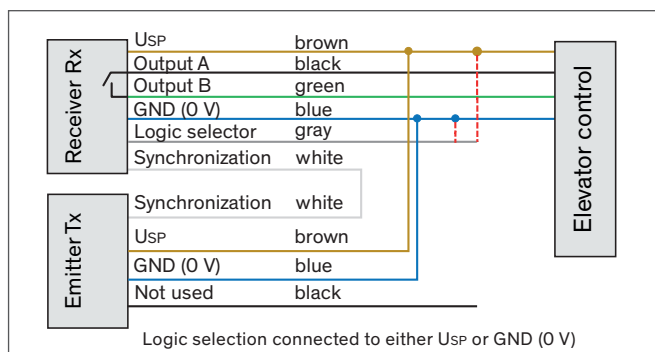
Dimensions



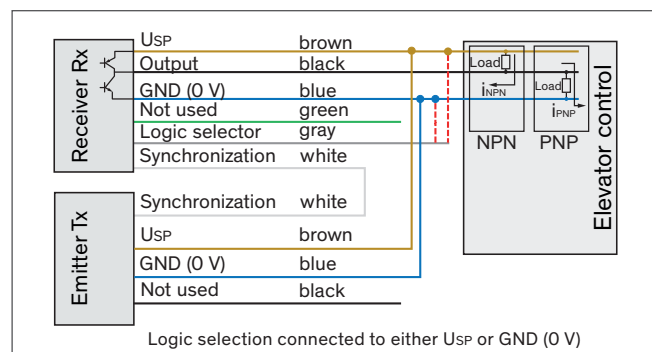
Detailed view



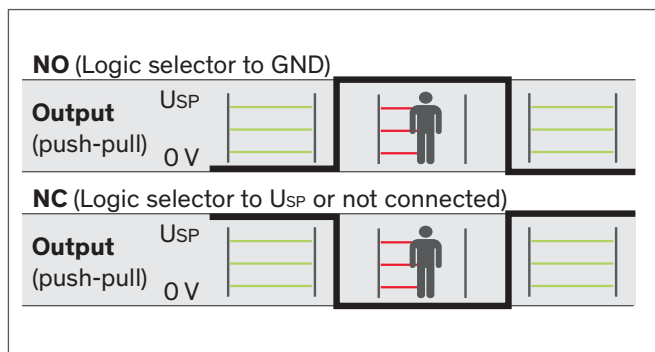
Wiring — solid state relay output



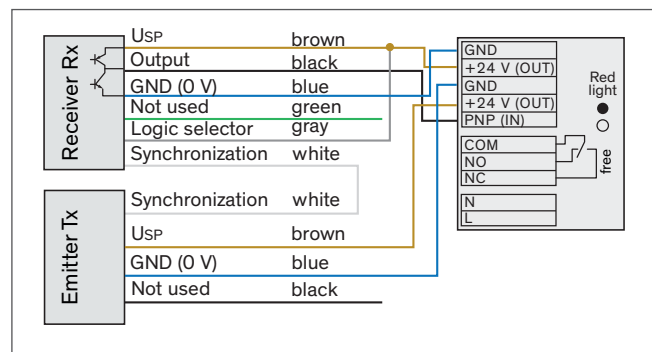
Wiring — push-pull output



Output logic



Wiring — power converter with push-pull



Applications



Dynamic mounting



Static mounting