

cegard/Mini

Technical data

FEATURES

- ▶ Low energy consumption
- ▶ Ideal for both static and dynamic applications
- ▶ Integrated controller with LED status indicator
- ▶ Short-circuit-proof semiconductor-output PNP/NPN (push-pull)
- ▶ Requires no grounding (earth)
- ▶ Selectable monitoring height of either 1,582 mm or 1,822 mm
- ▶ IP65 (Standard) and IP67 (waterproof) versions available
- ▶ EX-version available
- ▶ Edge can be front or side mounted – mounting holes are compatible with the MiniMax and cegard/Max light curtains



OPTICAL

Operating range	0 ... 4 m
Protection height	1,822 mm / 1,582 mm
No. of optical elements	16 / 32
No. of beams:	
at 16 elements	74
at 32 elements	154
Max. ambient light	100,000 Lux

MECHANICAL

Dimensions (w × h × l)	12 × 16 × max. 2,000 mm
Housing material	Natural or black anodized aluminum
Enclosure rating	IP65
Temperature range	-40°C ... +60°C

ELECTRICAL

Supply voltage U _{sp}	10 ... 30 VDC
Typ. current consumption at 24 VDC (without load)	40 mA
Max. inrush current per edge	< 2 A
Output	PNP/NPN (push-pull)
Output logic	NO/NC selectable
Max. output load	120 mA, 100 nF
Typ. response time:	
at 16 elements	70 ms
at 32 elements	120 ms

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
Certificates	CE, CSA

CONNECTION CABLE AND ELECTRICAL CONNECTION

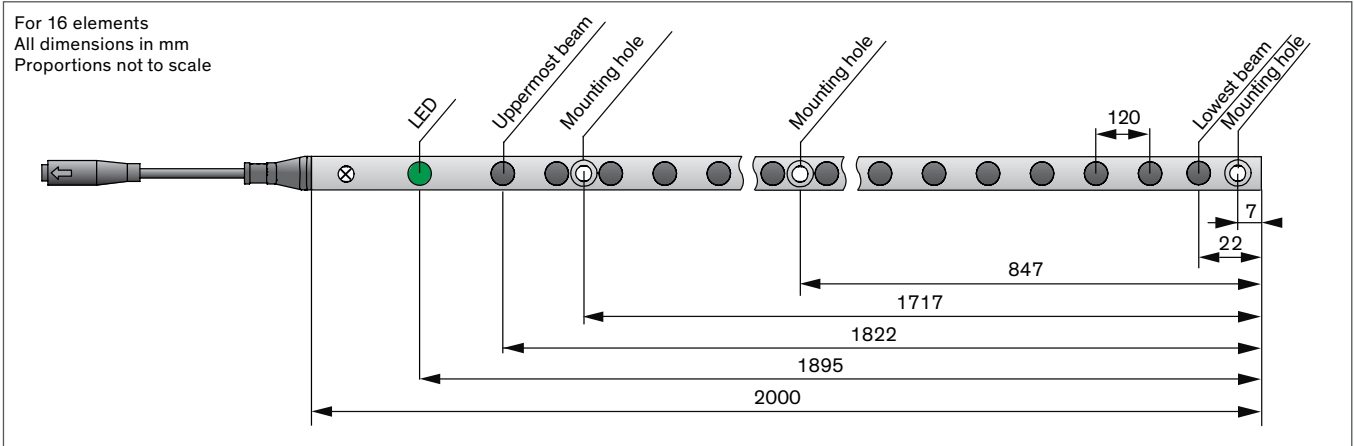
Emitter	
Cable length	5 m
Diameter	Ø 3.5 mm
Material	PVC, black
Connection	M8, 4-pin
Plug color	White
Wires	AWG26
• brown	U _{sp}
• blue	GND (0 V)
• black	Not used
• white	Protection field height selector
Receiver	
Cable length	5 m
Diameter	Ø 3.5 mm
Material	PVC, black
Connection	M8, 4-pin
Plug color	Blue
Wires	AWG26
• brown	U _{sp}
• blue	GND (0 V)
• black	Output
• white	Selectable output logic



CEDES AG is certified according to ISO 9001: 2015.

Dimensions

For 16 elements
All dimensions in mm
Proportions not to scale



Selectable output logic

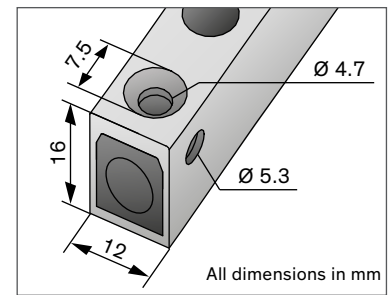
NO/NC selector connected to GND (0 V)



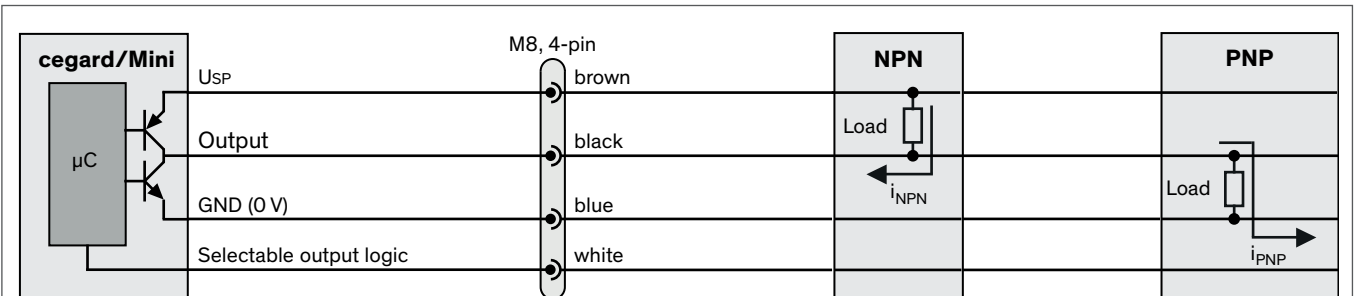
NO/NC selector connected to USP or not connected



Detailed view



PNP / NPN output

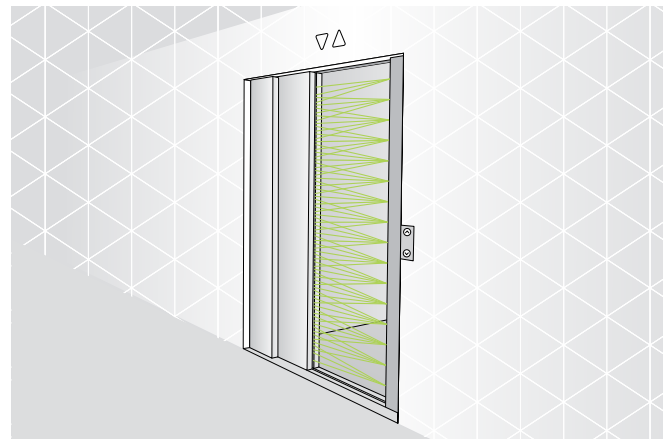


Electrical connections are compatible with the CEDES MiniMax series.

Applications



Dynamic mounting



Static mounting