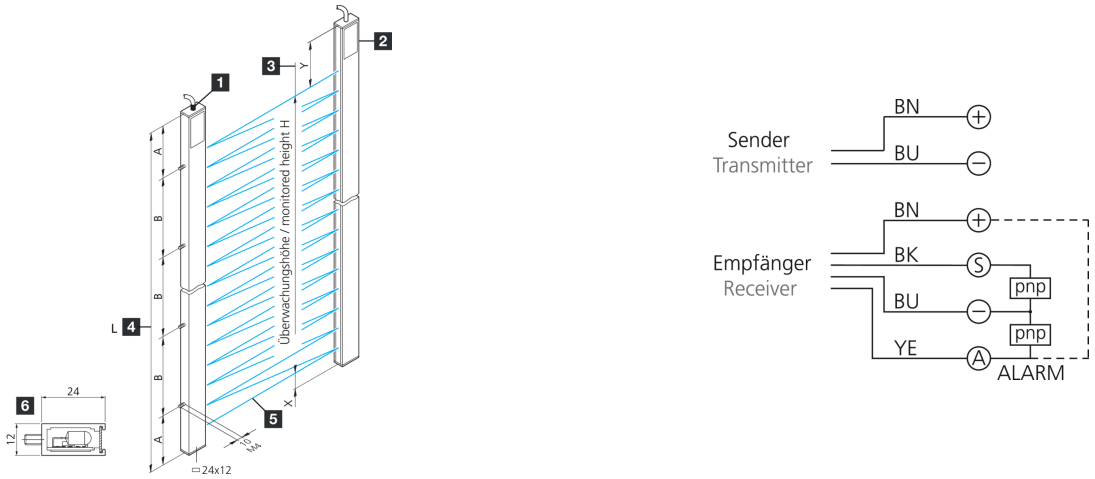
206183
LA-D 8-112-783-1050 I-H
Light grids

- Diagonal beam evaluation
- Integrated evaluation electronics
- Switching output
- Fault alarm output
- Compact design
- Aluminum housing
- Easy to install



1) Transmitter
2) Receiver
3) Monitoring height H
4) Profile length L
5) Synchronous beam
6) Profile cross section

BK: black BN: brown BU: blue YE: yellow

Function

Technical data (typ.)	+20°C, 24 V DC
Electrical features	
Service voltage	20.4 … 28.8 V DC
Power consumption	8 W
Mechanical features	
Assembly	Threaded bolt (3)
Profile cross section	12 x 24 mm
Housing height	24 mm
Housing width	12 mm
Dimension	■ A: 125 mm ■ B: 400 mm ■ X: 20 mm ■ Y: 245 mm
Profile length	1050 mm
Housing material	Aluminum (silver, Anodized)
Certifications, approvals	
Protection class	III, operation on protective low voltage
EMC directives	EN 61000-6-3:2001 / EN 61000-6-1:2001

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Technical data (typ.)	+20°C, 24 V DC
General features	
Evaluation	diagonal
Evaluation electronics	integrated
Output, input, interface	
Output function	Light switching
Switching output	pnp, 200 mA, NC, short-circuit-proof
Optical data	
Light source	LED
Color	Infrared
Wavelength	880 nm
Beam evaluation	via integrated evaluation electronics
Detection range, measuring range, tolerance limits	
Beam separation	112 mm
Number of beams	8
Monitoring height	783 mm
Range	700 … 4000 mm (factory setting)
Display, operation	
Display	LED (Service voltage / output stage, error (alarm))
Time behavior	
Cycle time per light beam	1 ms
Total cycle time	Anzahl Lichtstrahlen x 1 ms + 4 ms
Basic processing time	4 ms
Ambient conditions	
Ambient temperature during operation	-10 … +45 °C
Protection type	IP 54 (IP 65 optional)
Electrical connection	
Connection	Cable, 4.0 m (with ferrule)

More information / accessories	https://www.di-soric.com/206183

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