

# SLBH4-909

## Safety light curtain

- Highest safety level
- Resolution for body protection and presence control
- High operating distance for large systems and applications with deflecting mirrors
- Protection area until end of profile
- Parameterisation via connecting cable
- Easy and fast startup
- Automatic Start/Restart
- For Modular Safety Controller / safety relays
- Unshielded connecting cables to 100 m
- High protection class



### Safety instructions

All the installation, connection and safety regulations, as per our technical information, have to be strictly adhered to. The set-up of the products have to be made by skilled staff, only. Repair exclusively made by di-soric.



| TECHNICAL INFORMATION (typ.) | +20°C, 24 V DC  |
|------------------------------|---|
| Safety level                 | Type 4 (IEC/TS 61496-2), SIL 3 (IEC 61508), SILCL 3 (IEC 62061), PL e - Cat. 4 (EN ISO 13849-1) |
| Security level               | Body protection   |
| Total height (A)             | 963 mm  |
| Protective field height (B)  | 910 mm  |
| Model                        | Basic, extended range   |
| Mounting                     | T-shaped slot (Backside), / Holder SFB E 180 (optional)   |
| Number of beams              | 12  |
| Emitted light                | Infrared, 950 nm  |
| Safety output                | PNP (2x), 400 mA / 24 V DC  |
| Service voltage              | 19,2 ... 28,8 V DC  |
| Operating distance           | 10 m (Low Range) / 20 m (High Range)  |
| Resolution                   | 90 mm   |
| Inverse polarity protection  | Yes   |
| Display                      | LEDs for light curtain's status and diagnostic  |
| Start / restart              | Automatic   |
| Short-circuit protection     | yes   |
| Reaction time                | 3,5 ms  |
| Ambient temperature          | -20 ... +55 °C  |
| Protection class             | IP 65, IP 67  |
| Protection degree            | III, operation on protective low voltage  |
| Casing material              | Aluminium   |
| Material                     | polycarbonate (Window)  |

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|------------------------------|---|
| Connection                   | M12, 5-poled for transmitter and receiver, Connector  |
| Cable                        | unshielded connection cables max. 100 m   |
| Scope of delivery            | Emitter + receiver, one set of standard fixing brackets SA 4, CD-ROM containing the multi-language instruction manual, quick installation guide |