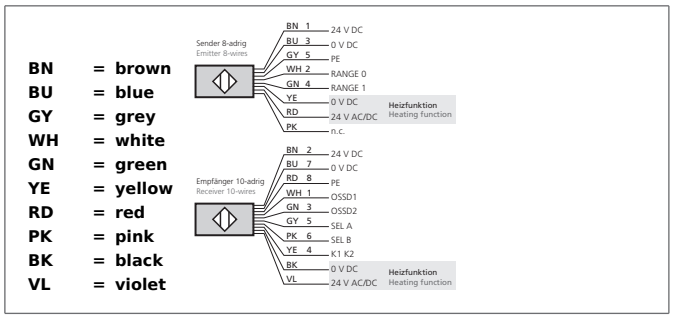
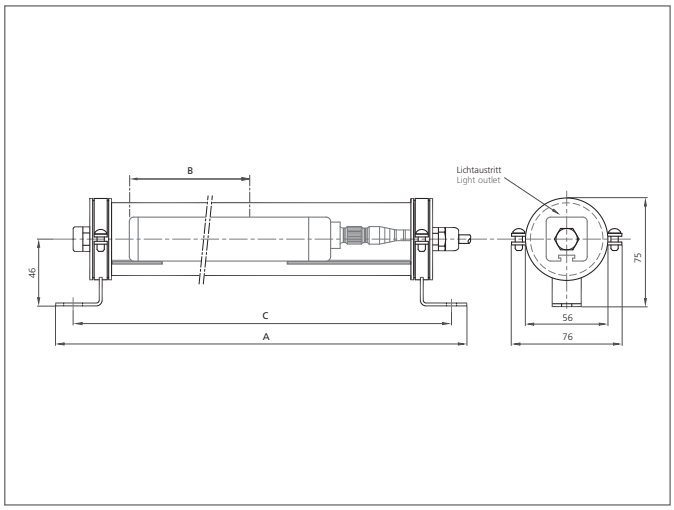
# SLI4-901-WTHF

## Safety light curtain in IP 69K protective housing

- Highest safety level
- Resolution for finger protection
- Heating function for low-temperature applications
- Light curtain integrated in protective enclosure - protection class IP 69K
- For use in the beverage and food industry
- Avoiding of condensate by GORE-valve
- ECOLAB approval
- Integrated safety function - no external safety relay required
- Parameterisation via connecting cable
- Selectable manual or automatic Start/Restart
- Feedpack input for external relay monitoring (EDM)




### 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 | Finger detection |
| Total height (A) | 1.087 mm |
| Protective field height (B) | 910 mm |
| Hole spacing | 1.065 mm (C), ± 3 mm |
| Model | built-in control functions (EDM) |
| Models in enclosure | Watertight 80 bar and heated |
| Mounting | POM-C and stainless steel fastening brackets (AISI 316L) |
| Number of beams | 90 |
| Emitted light | Infrared, 950 nm |
| Safety output | PNP (2x), 400 mA / 24 V DC |
| Service voltage | 19,2 ... 28,8 V DC |
| Power consumtion with heating | 18,2 W, (24 V DC) |
| Operating distance | 2 m (Low Range) / 5 m (High Range) |
| Resolution | 14 mm |
| Inverse polarity protection | Yes |
| Display | LEDs for light curtain´s status and diagnostic |
| Start / restart | Automatic / manual (selectable) |
| External Device Monitoring - EDM | Feedback input, enabling selectable |
| Short-circuit protection | yes |
| Reaction time | 13 ms |
| Ambient temperature | -25 ... +55 °C |

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# Safety light curtain in IP 69K protective housing

| TECHNICAL INFORMATION (typ.) | +20°C, 24 V DC |
|---|---|
| Protection class | IP 69K |
| Protection degree | III, operation on protective low voltage |
| Casing material | Aluminium |
| Material | polycarbonate (Window) |
| Material enclosure | PMMA enclosure (polymethyl methacrylate), POM-C sealing caps (acetal resin - DELRIN), GORE valve |
| Connection | pre-wired with cable gland, 10 m cable |
| Cable | 8-wires transmitter, 10-wires receiver, flying leads |
| Scope of delivery | Emitter + receiver, CD-ROM containing the multi-language instruction manual, quick installation guide, POM-C and stainless steel fastening brackets |