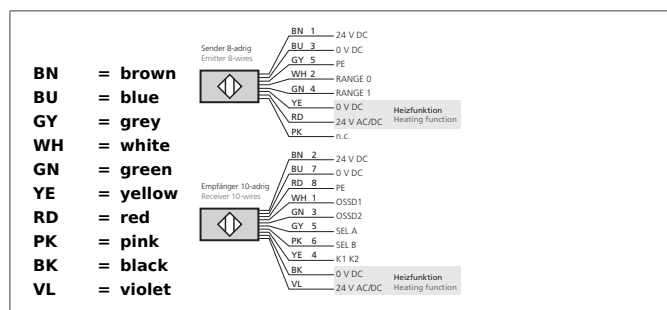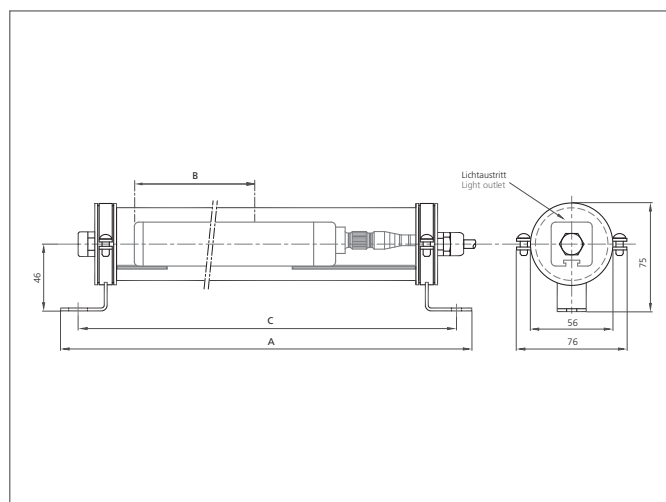# SLIH4-753-WTHF

Safety light curtain in IP 69K protective housing

- Highest safety level
- Resolution for hand protection
- High operating distance for large systems
- 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)

BN = brown
BU = blue
GY = grey
WH = white
GN = green
YE = yellow
RD = red
PK = pink
BK = black
VL = violet

Sender 8-adrig / Emitter 8-wires

BN	1	24 V DC
BU	3	0 V DC
GY	5	PE
WH	2	RANGE 0
GN	4	RANGE 1
YE		0 V DC — Heizfunktion / Heating function
RD		24 V AC/DC
PK		n.c.

Empfänger 10-adrig / Receiver 10-wires

BN	2	24 V DC
BU	7	0 V DC
RD	8	PE
WH	1	OSSD1
GN	3	OSSD2
GY	5	SEL A
PK	6	SEL B
YE	4	K1 K2
BK		0 V DC — Heizfunktion / Heating function
VL		24 V AC/DC

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	Hand detection
Total height (A)	937 mm
Protective field height (B)	760 mm
Hole spacing	915 mm (C), ± 3 mm
Model	built-in control functions (EDM), extended range
Models in enclosure	Watertight 80 bar and heated
Mounting	POM-C and stainless steel fastening brackets (AISI 316L)
Number of beams	38
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	15,2 W, (24 V DC)
Operating distance	8 m (Low Range) / 17 m (High Range)
Resolution	30 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	6,5 ms
Ambient temperature	-25 ... +55 °C

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