



SH4 Standard

957920026

SH4-14-1950-S-8

TYPE 4 SAFETY LIGHT CURTAIN WITH MANUAL RESTART
AND EDM

OVERVIEW

- Finger protection (14 mm)
- Improved operating range: 10 m
- Basic functions: alignment, automatic restart
- Standard functions: manual restart, EDM
- Zero dead zone
- Extended monitored height up to 2250 mm
- Compact profile (35 x 40 mm), common to all SH4 line
- Installation eased by LEDs indications of beam intensity
- Optical synchronization with 2 beams
- IP67 Protection
- -30 ... +55 °C Operating temperature
- Complete couple and angular bracket included in the package
- Pigtailed with M12 connectors with standard not shielded cables

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	≤ 10 m
Resolution	8,40E-09
controlled height	43 years
number of rays	35x40x309 mm

Effective Aperture Angle	15 ... 95 % (no condensation)
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Application

Function Principle	Finger protection res. 14 mm muting
Available functions	-30...+55°C
Description	Compact no-dead-zone STANDARD
Functions	Finger protection res. 14 mm

Safety parameters

Type	Type 4 safety light curtain (A/M)
SIL	3
SILCL	3
PL	e
MTTFd	43 years
SFF	99,50%

Outputs

Output type	Type 4 safety light curtain (A/M)
Response time	3

Electrical data

Operating Voltage	Compact no-dead-zone STANDARD MUTING
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Load current	≤ 30 m
Emission	Painted aluminum / MAKROLON AR 7099 Clear PC / PBT
Interference to external light	3
Power Consumption - Receiver	IP65, IP 67 (EN 60529)
Power Consumption - Emitter	99,50%
Capacitive Load	10 mm / 3 g, 5 ... 150 Hz frequency (EN 60068-2-6 / Class 3M7 IEC TR 60721-4-3)
Cabel Length (Power Supply/Output)	25 g x 6 ms x 600 (EN 60068-2-27 / Class 3M7 IEC TR 60721-4-3)

Mechanical data

Material	Painted aluminum / MAKROLON AR 7099 Clear PC / PBT
Connections	≤ 1μF
Storage temperature	Incandescent lamp or LED
Vibrations	10 mm / 3 g, 5 ... 150 Hz frequency (EN 60068-2-6 / Class 3M7 IEC TR 60721-4-3)
Shocks	25 g x 6 ms x 600 (EN 60068-2-27 / Class 3M7 IEC TR 60721-4-3)

Test/Approvals

Approvals	≤ ±2.5°
EMC compatibility	≤ 3,5W
Shocks and vibrations	≤ 4W (no load)

Accessories

Supplied Accessories

Manual/Automatic Restart, EDM, L/T 2-signals Muting, Partial Muting, Muting Filter, Override

Accessories to be ordered separately

e

Generical Data

Dimensions

35x40x1959 mm

Operating Temperature

-30...+55°C

Humidity

15 ... 95 % (no condensation)

Mechanical Protection

IP65, IP 67 (EN 60529)

UNASSIGNED

Disegno 2D PDF

8,40E-09

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