

## **SAFEGATE S 1204 LR**

Order Code: 1390095

Hand Detection Safety Light Curtain with Automatic/Manual Restart and EDM (No Integrated Muting Function). Long Range

**Long Range**



**Safety level**

Type 4 - PL e

**Protected height (mm)**

1200

**Resolution (mm)**

40

**Max. range (m)**

60

**Restart**

Built-in - User selectable  
automatic or manual

**Functioning system**

Emitter / Receiver

**Built-in Muting lamp**

No

## **Technical Description**

Safety Light Curtain: Type 4, SIL 3, SILCL 3, PL e, Cat. 4

Cross Section: 50 x 55 mm

Hardware configuration: no programming necessary, easy to install and replace

Connection and configuration through M12 connectors

Unshielded cables up to 100 m can be used to connect the Safety Light Curtain

What's in the Box: Emitter, Receiver and Standard Fastening Brackets

## Features

|                                             |                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Safety level                                | Type 4 - PL e                                                                                           |
| Protected height (mm)                       | 1200                                                                                                    |
| Resolution (mm)                             | 40                                                                                                      |
| Controlled height (mm)                      | 1190                                                                                                    |
| Max. range (m)                              | 60                                                                                                      |
| Restart                                     | Built-in - User selectable automatic or manual                                                          |
| Functioning system                          | Emitter / Receiver                                                                                      |
| Safety level (SIL / PL)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                |
| Operating temperature (°C)                  | - 30 ... 55                                                                                             |
| Response time (ms)                          | 7,7                                                                                                     |
| Number of beams                             | 60                                                                                                      |
| Max. length of the connection<br>cables (m) | 100                                                                                                     |
| Built-in Muting lamp                        | No                                                                                                      |
| Signalling                                  | LEDs for light curtain's status and diagnostics                                                         |
| Safety output type                          | 2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and reverse polarity |
| Connections                                 | M12 5-pole male connector (emitter), M12 8-pole male connector (receiver)                               |
| MTTFD (ISO13849) years                      | 151,7                                                                                                   |
| PFHD (IEC 61508)                            | 1,95E-08                                                                                                |
| Safety outputs                              | 2 fail-safe PNP (400 mA at 24 VDC)                                                                      |
| Safety functions                            | Integrated                                                                                              |

## SAFEGATE S 1204 LR

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Detection                          | Hand                                                          |
| Operating Range (m)                | Selectable: 8 ... 30 m - low range / 18 ... 60 m - high range |
| Protective enclosures              | None                                                          |
| Packaging dimensions HxLxW<br>(mm) | 145 x 1370 x 200                                              |
| Product class                      | C                                                             |
| Custom tariff                      | 85365019                                                      |

## Electrical data

|                    |              |
|--------------------|--------------|
| Power supply (VDC) | 24 $\pm$ 20% |
|--------------------|--------------|

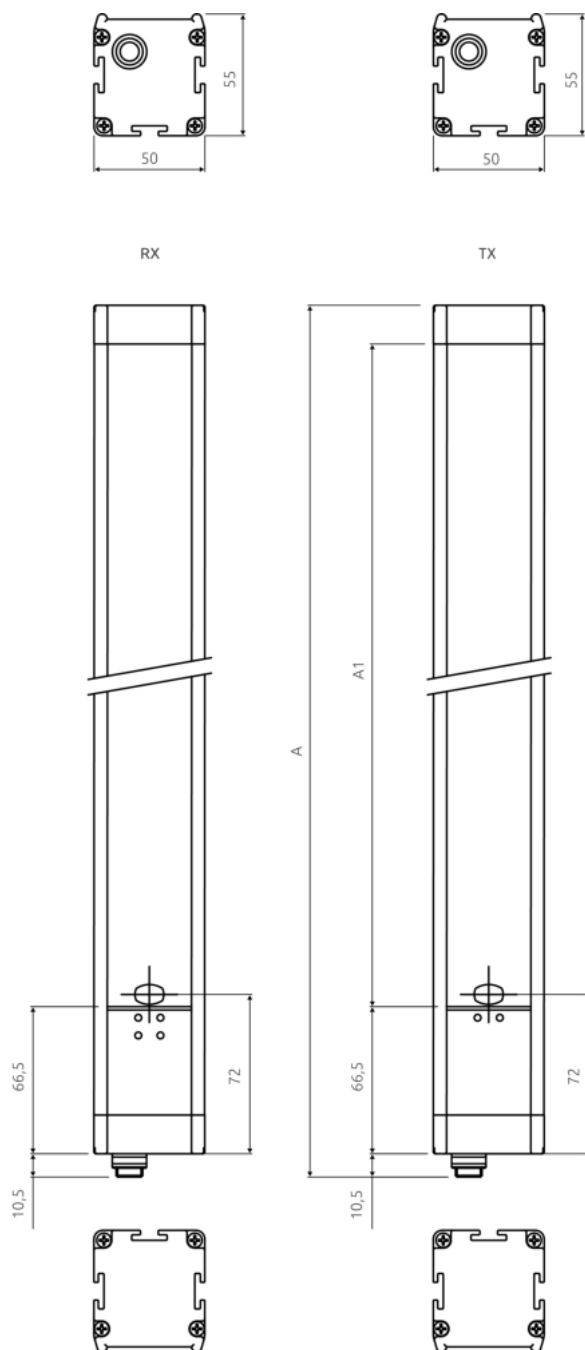
## Mechanical data

|                               |                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------|
| Overall height (mm)           | 1275                                                                                               |
| Cross section dimensions (mm) | 50 x 55                                                                                            |
| Degree of protection          | IP65 - IP67                                                                                        |
| Fastening                     | Back slot, side slot with set of LL type brackets (included).<br>SFB SG swivel brackets (optional) |

## Technical drawings

A1 (Controlled height) = 1190 mm

A (Overall height) = 1275 mm



## Certificates

