



## Safety light curtains C4000 ATEX II 3G/3D based on C4000 Standard

C40E-S127, C40S-S127



#### receiver

Model Name [> C40E-S127](#)  
Part No. [> 1052311](#)



#### sender

Model Name [> C40S-S127](#)  
Part No. [> 1052310](#)



#### At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- ATEX II 3G/3D (2/22 zones)
- 7-segment display
- Beam coding for correct system allocation
- Configuration and diagnostics via PC
- External device monitoring (EDM) and restart interlock (RES)
- Accessory Clone Plug - for configuration memory
- Labelling Gas: Ex nA op is IIC T4 0°C
- Labelling Dust: Ex tD A22 IP65 T123°C X

#### Your benefits

- ATEX II 3G/3D for use in 2/22 zones
- Large scanning ranges up to 19 m and sufficient power reserve for use in paint finishing lines, for example
- 7-segment display saves time during alignment and diagnostics
- Beam coding protects the systems against optical interference by ensuring a high level of availability
- Preconfigured light curtains and the clone plug enables easy and rapid commissioning
- Precise, convenient configuration and diagnostics reduces downtime



#### Functions-Sender

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| Beam coding:                                | ✓                                                   |
| Reduced resolution:                         | -                                                   |
| Configuration method:                       | PC with CDS (Configuration and Diagnostic Software) |
| Extension connection:                       | -                                                   |
| PSDI mode with:                             | UE402                                               |
| Safe SICK device communication via EFI/SDL: | ✓                                                   |

## Functions-Receiver

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|                                                |                                                     |
|------------------------------------------------|-----------------------------------------------------|
| Restart interlock:                             | ✓                                                   |
| Restart interlock (delivery status):           | External                                            |
| External device monitoring (EDM):              | ✓                                                   |
| External device monitoring (delivery status):  | Deactivated                                         |
| Beam coding:                                   | ✓                                                   |
| Beam coding (delivery status):                 | Non-coded                                           |
| Reduced resolution:                            | -                                                   |
| Bypass (with UE402):                           | ✓                                                   |
| Emergency stop/bypass at extension connection: | -                                                   |
| Operating mode switching (with UE402):         | ✓                                                   |
| PSDI mode with:                                | UE402                                               |
| Muting with:                                   | Flexi Classic                                       |
| Configuration method:                          | PC with CDS (Configuration and Diagnostic Software) |
| Extension connection:                          | -                                                   |
| Safe SICK device communication via EFI/SDL:    | ✓                                                   |

## Technical Data-Sender

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|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Protective field height:                  | 300 mm                                  |
| Resolution:                               | 40 mm                                   |
| Housing cross-section:                    | 48 mm x 40 mm                           |
| Type:                                     | Type 4 (IEC 61496)                      |
| Safety integrity level:                   | SIL3 (IEC 61508), SILCL3 (IEC 62061)    |
| Category:                                 | category 4 (EN ISO 13849)               |
| Performance level:                        | PL e (EN ISO 13849)                     |
| PFHd:                                     | 1.5 * 1E-08                             |
| TM (mission time):                        | 20 a                                    |
| Supply voltage typical, from, to:         | 24 V DC, 19.2 V DC, 28.8 V DC           |
| Connection type:                          | Hirschmann plug M26 x 11 + FE, straight |
| Connection type configuration connection: | M8 x 4                                  |
| Maximum connection cable cross-section:   | 0.75 mm²                                |
| Wave length:                              | 950 nm                                  |
| Protection class:                         | III                                     |
| Enclosure rating:                         | IP 65                                   |
| Ambient operating temperature:            | 0 °C ... 55 °C                          |
| Vibration resistance (checked to):        | 5 g (IEC 60068-2-6)                     |
| Oscillation frequency from ... to:        | 10 Hz ... 55 Hz                         |
| Shock resistance:                         | 10 g, 16 ms (IEC 60068-2-29)            |

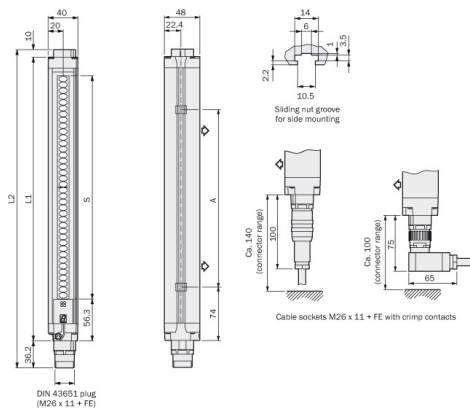
## Technical Data-Receiver

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|                                               |                                      |
|-----------------------------------------------|--------------------------------------|
| Protective field height:                      | 300 mm                               |
| Resolution:                                   | 40 mm                                |
| Scanning range from ... to:                   | 0 m ... 19 m                         |
| Scanning range from ... to (delivery status): | 0 m ... 6 m                          |
| Housing cross-section:                        | 48 mm x 40 mm                        |
| Type:                                         | Type 4 (IEC 61496)                   |
| Safety integrity level:                       | SIL3 (IEC 61508), SILCL3 (IEC 62061) |
| Category:                                     | category 4 (EN ISO 13849)            |
| Performance level:                            | PL e (EN ISO 13849)                  |
| PFHd:                                         | 1.5 * 1E-08                          |

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| TM (mission time):                        | 20 a                                    |
| Supply voltage typical, from, to:         | 24 V DC, 19.2 V DC, 28.8 V DC           |
| Response time without beam coding:        | ≤ 10 ms                                 |
| Response time with beam coding:           | ≤ 13 ms                                 |
| Wave length:                              | 950 nm                                  |
| Connection type:                          | Hirschmann plug M26 x 11 + FE, straight |
| Connection type configuration connection: | M8 x 4                                  |
| Maximum connection cable cross-section:   | 0.75 mm <sup>2</sup>                    |
| Protection class:                         | III                                     |
| Enclosure rating:                         | IP 65                                   |
| Ambient operating temperature:            | 0 °C ... 55 °C                          |
| Vibration resistance (checked to):        | 5 g (IEC 60068-2-6)                     |
| Oscillation frequency from ... to:        | 10 Hz ... 55 Hz                         |
| Shock resistance:                         | 10 g, 16 ms (IEC 60068-2-29)            |

### Dimensional drawing



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