



## Safety light curtains C4000 Standard without extension connection with pre-configuration E

C40E-0402CE010, C40S-0402CA010



## Safety light curtains C4000 Standard without extension connection with pre-configuration E

### receiver

Model Name [> C40E-0402CE010](#)  
Part No. [> 1022458](#)



### sender

Model Name [> C40S-0402CA010](#)  
Part No. [> 1018615](#)



### At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- 7-segment display
- PSDI mode with the UE402 switching amplifier
- External device monitoring (EDM) and restart interlock (RES)
- Configuration and diagnostics via PC
- Cascade up to three systems
- ADO (Application Diagnostic Output) signaling output for contamination indicator
- Accessory Clone Plug - for configuration memory

### Your benefits

- 7-segment display saves time during alignment and diagnostics
- Beam coding protects the systems against optical interference by ensuring a high level of availability
- Ability to cascade up to three systems optimizes the safety application and reduces wiring costs
- 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: | ✓                                                   |

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**Functions-Receiver**

|                                                |                                                     |
|------------------------------------------------|-----------------------------------------------------|
| Restart interlock:                             | ✓                                                   |
| Restart interlock (delivery status):           | Internal                                            |
| External device monitoring (EDM):              | ✓                                                   |
| External device monitoring (delivery status):  | Selected                                            |
| 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:    | ✓                                                   |

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**Technical Data-Sender**

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Protective field height:                  | 450 mm                                  |
| Resolution:                               | 20 mm                                   |
| Housing length:                           | 578 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 mm <sup>2</sup>                    |
| Wave length:                              | 950 nm                                  |
| Protection class:                         | III (EN 50178)                          |
| Enclosure rating:                         | IP 65 (EN 60529)                        |
| 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)            |
| Weight:                                   | 1,100 g                                 |

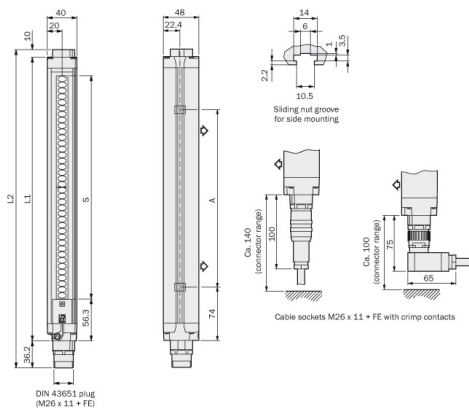
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**Technical Data-Receiver**

|                                               |                                      |
|-----------------------------------------------|--------------------------------------|
| Protective field height:                      | 450 mm                               |
| Resolution:                                   | 20 mm                                |
| Scanning range from ... to:                   | 0 m ... 19 m                         |
| Scanning range from ... to (delivery status): | 0 m ... 6 m                          |
| Housing length:                               | 578 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)                     |
| PFDd:                                     | 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:        | ≤ 12 ms                                 |
| Response time with beam coding:           | ≤ 18 ms                                 |
| Maximum switching current:                | 500 mA                                  |
| 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 (EN 50178)                          |
| Enclosure rating:                         | IP 65 (EN 60529)                        |
| 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)            |
| Weight:                                   | 1,130 g                                 |

## Dimensional drawing



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