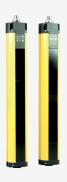
# **DATASHEET**





# SLC 420-E/R0490-30-RFBH

- Protection class IP67
- Safety type 4 in accordance with IEC 61496-1
- Resolution 14, 30 and 50 mm
- Protection field height from 170 mm ... 1770 mm

## **Data**

## **Ordering data**

EAN (European Article Number) 4030661510330

eCl@ss number, Version 9.0 27-27-27-04

eCl@ss number, Version 11.0 27-27-24

## **Approval - Standards**

Certificates TÜV

cULus

EAC

### **General data**

Standards IEC/EN 61496-1/-2

Enclosure material Aluminium

Gross weight 2,570 g

Reaction time, maximum 10 ms

#### **General data - Features**

Restart interlock (manual reset) Yes

Beam coding available Yes

Hide function Yes

Integral System Diagnostics, status Yes

Integral System Diagnostics Yes

Number of beams 24

Number of fail-safe digital outputs 2

## Safety appraisal

Standards EN ISO 13849-1

IEC 61508

Performance level, up to

Control category to EN13849 4

PFH-value  $6.19 \times 10^{-9} / h$ 

Safety Integrity Level (SIL), suitable for

applications in

3

Mission Time 20 Year(s)

Safety type in accordance with IEC 61496-1 4

#### **Mechanical data**

Detection ability for test bodies at v = 1.6 m/s 30 mm

Height of the protection field 490 mm

Range, protection field, minimum 300 mm

Range, protection field, maximum 18,000 mm

Wave length of the sensor 880 nm

## Mechanical data - Connection technique

Terminal Connector Connector

Terminal connector, Recipient Connector plug M12, 8-pole

Terminal, Connector, Transmitter Connector plug M12, 4-pole

Length of the connectable cable, maximum 100 m

#### **Mechanical data - Dimensions**

Diameter of sensor 49 mm

Height of sensor 575 mm

#### **Ambient conditions**

Degree of protection IP67 to EN 60529

Ambient temperature, minimum -10 °C

Ambient temperature, maximum +50 °C

Storage and transport temperature, minimum -25 °C

Storage and transport temperature, maximum +70 °C

Protection rating III

#### **Electrical data**

Voltage type DC (direct current)

Switching voltage OSSD, HIGH signal 24 V

Electrical power consumption of the receiver 8 W

Electrical power consumption of the 4 W

transmitter

## Electrical data - Fail-safe digital outputs

Output current, (fail-safe output), maximum 0.5 A

Versions p-type

# **Scope of delivery**

Included in delivery

Kit with 2 mounting angles

## **Accessory**

Recommended safety switchgear

SRB-E 301

#### **Notes**

Note (General)

 $I_{\rm m}$  In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 11/9/2021, 10:10 AM