



## SLC440-ER-0650-14-01

- Safety type 4 in accordance with IEC 61496-1
- Status and diagnostics via App with bluetooth
- active integrated set-up tool
- Blanking: fixed/floating
- Double acknowledgement/reset
- Integrated contactor control
- Beam coding
- Process safety with highest availability
- User-friendly parameter setting, no tools required
- optional degree of protection IP69 with protective enclosure (accessories)

## Data

### Ordering data

EAN (European Article Number)	4030661409078
eCl@ss number, Version 9.0	27-27-27-04
eCl@ss number, Version 11.0	27-27-27-04

### Approval - Standards

Certificates	TÜV cULus EAC
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### General data

Standards	EN 61496-1 EN 61496-2
Enclosure material	Aluminium

Gross weight	1,230 g
Reaction time, maximum	20 ms

## General data - Features

Restart interlock (manual reset)	Yes
Contactor control integrated	Yes
Beam coding available	Yes
Hide function	Yes
7-segment display	Yes
Integral System Diagnostics, status	Yes
Integral System Diagnostics	Yes
Bluetooth	Yes
Number of beams	64
Number of fail-safe digital outputs	2

## Safety appraisal

Standards	EN ISO 13849-1 EN 62061
Performance level, up to	e
Control category to EN13849	4
PFH-value	$5.14 \times 10^{-9}$ /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	14 mm
Height of the protection field	650 mm

Range, protection field, minimum	300 mm
Range, protection field, maximum	7,000 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

Height of transmitter	731 mm
Height of Receiver	741 mm
Length of sensor	33 mm
Width of sensor	27.8 mm

### Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-25 °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, maximum	10 W

Electrical power consumption of the transmitter, 5 W  
maximum

**Electrical data - Fail-safe digital outputs**

Output current, (fail-safe output), maximum 0.25 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)  $I_m$  In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.