




**SLC445-ER-0250-14-01**

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- Muting
- Cyclic mode
- Double acknowledgement/reset
- Multiscan
- Safety type 4 in accordance with IEC 61496-1
- active integrated set-up tool
- Blanking: fixed/floating
- Status and diagnostics via 7-segment display
- Integrated contactor control
- User-friendly parameter setting, no tools required

Data

Ordering data

EAN (European Article Number)	4030661435916
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 CLC/TS 61496-2
Enclosure material	Aluminium

Gross weight	680 g
Reaction time, maximum	10 ms

## General data - Features

Muting function	Yes
Override	Yes
Clock control possible	Yes
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
Reduced resolution	Yes
Number of beams	24
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 $v = 1.6 \text{ m/s}$	14 mm
Height of the protection field	250 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, 12-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole
Length of the connectable cable, maximum	100 m

## Mechanical data - Dimensions

Length of sensor	33 mm
Width of sensor	27.8 mm
Height of the Sensor (Receiver)	341 mm
Height of the Sensor (Transmitter)	331 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, maximum	5 W

### 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
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### Accessory

Recommended safety switchgear	SRB-E 301
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### Notes

Note (General)	$I_m$ In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.
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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.

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