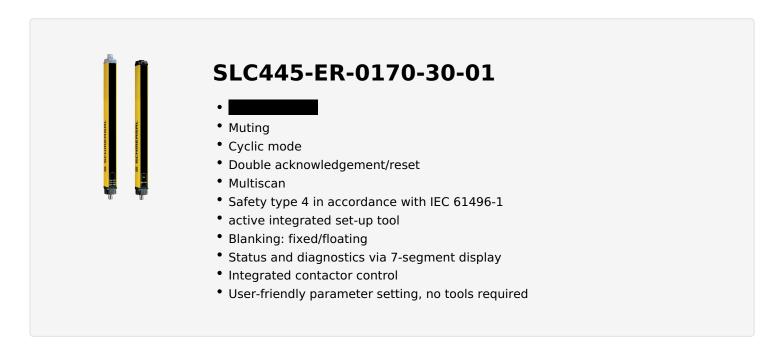
DATASHEET



Data

Ordering data		
EAN (European Article Number)	4030661436166	
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
General data	

Enclosure material

Standards

CLC/TS 61496-2 Aluminium

EN 61496-1

Gross weight	580 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	8
Number of fail-safe digital outputs	2

Safety appraisal

Standards	EN ISO 13849-1 EN 62061
Performance level, up to	е
Control category to EN13849	4
PFH-value	5.14 x 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	170 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	10,000 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)	261 mm
Height of the Sensor (Transmitter)	251 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	Ш

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

Accessory

Recommended safety switchgear

SRB-E 301

Notes

Note (General)

 $\rm I_m$ 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, 9:49 AM