



SLC440COM-ER-0490-35

- Safety type 4 in accordance with IEC 61496-1
- Status and diagnostics via App with bluetooth
- Automatic start or restart interlock
- active integrated set-up tool
- Process safety with highest availability
- User-friendly parameter setting, no tools required
- optional degree of protection IP69 with protective enclosure (accessories)

Data

Ordering data

Product type description	SLC440COM-ER-0490-35
Article number (order number)	103004001
EAN (European Article Number)	4030661435404
eCl@ss number, version 12.0	27-27-27-04
eCl@ss number, version 11.0	27-27-27-04
eCl@ss number, version 9.0	27-27-27-04
ETIM number, version 7.0	EC002549
ETIM number, version 6.0	EC002549

Approvals - Standards

Certificates	cULus
	TÜV

General data

Standards	EN IEC 61496-1
	EN IEC 61496-2
Note (Software Version)	as of 2026 Version 4.0
Housing material	Aluminium
Reaction time, maximum	10 ms

General data

Gross weight	920 g
Bluetooth transmission power, maximum	2 µW
Bluetooth transmission frequency	2.400 ... 2.483 GHz
Radiation emission level to EN 12198-1	Category 0
Risk group classification of lamp systems to EN 62471	free group

General data - Features

Restart interlock (manual reset)	Yes
Integral system diagnostics, status	Yes
Integral system diagnostics	Yes
Number of fail-safe digital outputs	2
Number of beams	16

Safety classification

Standards	EN 62061
	EN 13849-1
Performance Level, up to	e
Category	4
PFH value	8.05×10^{-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	35 mm
Height of the protection field	490 mm
Range, protection field, minimum	0.3 m
Range, protection field, maximum	7 m
Wave length of the laserdiode	850 nm

Mechanical data - Connection technique

Termination	Connector
Terminal connector, Recipient	Connector plug M12, 5-pole

Mechanical data - Connection technique

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 sensor	531 mm

Ambient conditions

IP Degree of protection	IP67
Ambient temperature	-10 ... +50 °C
Storage and transport temperature	-25 ... +70 °C
Resistance to vibrations	Class 3M4, 5...150 Hz, IEC 60068-2-6
Resistance to shock	Class 3M4, 15 g, 6 ms, IEC 60068-2-27
Protection class	III

Electrical data

Operating voltage	24 VDC -20 % / +20 % ((PELV) supply unit I _{max} 1.0 A, according to EN 60204 (power failure ≤ 20 ms))
Rated operating voltage	24 VDC
Rated operating current, Emitter	200 mA
Rated operating current, Receiver	700 mA

Electrical data - Control inputs

Designation, Control inputs	Release / restart interlock
Actuation time for manual start	100 ... 1500 ms

Electrical data - Safety digital outputs

Designation, Safety outputs	OSSD 1 and OSSD 2
Output current, (fail-safe output), maximum	0.25 A
Design of control elements	OSSD, short-circuit proof, p-type
Leakage current I _r , maximum	1 mA
Test pulse interval, typical	750 ms
Test pulse duration, maximum	0.15 ms
Classification ZVEI CB24I, Source	C2

Electrical data - Safety digital outputs

Classification ZVEI CB24I, Sink	C1
	C2
Load capacity, maximum	0.05 μ F
Load inductance, maximum	2 H
Note	The load inductance generates an induced voltage during the switch-off, which compromises the downstream components (sparkquenching element).
Switching voltage	0 ... 2 V (LOW)
	15 ... 26.4 V (HIGH)
Note	According to EN 61131-2
Note	In case of failure, the leakage current flows to the OSSD cable. The downstream control element must recognise this state as LOW. A safety PLC must detect this state.

LED status display - LED 01

LED status	OSSD ON, OSSD OFF, Restart interlock, Error, Parameter setting, Alignment kit, Indication of signal quality
LED position	Receiver

LED status display - LED 02

LED status	transmitting and status
LED position	Emitter

Other data

Note (applications)	protective mode/automatic, restart interlock, setting mode
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Pin assignment

Connection	Receiver
PIN 1	24 VDC power supply
PIN 2	OSSD 1 Safety output 1
PIN 3	0 VDC Power supply
PIN 4	OSSD 2 Safety output 2
PIN 5	Release/restart interlock Acknowledgement restart interlock
Connection	Emitter
PIN 1	24 VDC power supply
PIN 2	Do not connect a signal (do not wire)

Pin assignment

PIN 3	0 VDC power supply
PIN 4	Do not connect a signal (do not wire)

Scope of delivery

Scope of delivery	Kit
	Mounting kit MS-1100

Accessory

Recommended safety switchgear	SRB-E 301
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Pictures

Product picture (catalogue individual photo)



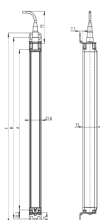
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[| 67.72 KB | .png | 210 x 721 Pixel](#)

Dimensional drawing basic component

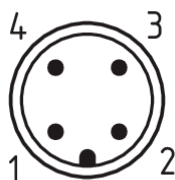


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Contact arrangement

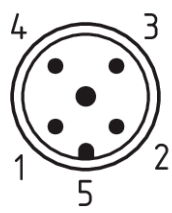


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Contact arrangement



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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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