DATASHEET



SLC440COM-ER-1770-30

- Safety type 4 in accordance with IEC 61496-1
- 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-1770-30
Article number (order number)	103003958
EAN (European Article Number)	4030661435374
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
Notice	Due to the lack of availability of certain electronic components, this series is currently produced and delivered without Bluetooth interface!

Approvals - Standards

Certificates	TÜV cULus EAC

General data

Standards	EN IEC 61496-2 EN IEC 61496-1
Enclosure material	Aluminium
Gross weight	2,820,000 g
Reaction time, maximum	20 ms

General data - Features

Restart interlock (manual reset)	Yes
Integral system diagnostics, status	Yes
Integral system diagnostics	Yes
Number of beams	88
Number of fail-safe digital outputs	2

Safety classification

Standards	EN ISO 13849-1 EN IEC 62061
Performance Level, up to	e
Category to EN ISO 13849	4
PFH value	8.05 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	1,770 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

Termination	Connector
Terminal connector, Recipient	Connector plug M12, 5-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 sensor	1,811 mm

Ambient conditions

Degree of protection	IP67
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 class	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 - Safety digital outputs

Output current, (fail-safe output), maximum	0.25 A
Design of control elements	p-type

Scope of delivery

Scope of delivery	Kit with 2 mounting angles

Accessory

Recommended safety switchgear	SRB-E 301

Note

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

Ordering code

Product type description:
SLC440COM-ER(1)-(2)

(1)

0330	Protection field height 330 mm
0410	Protection field height 410 mm
0490	Protection field height 490 mm
0570	Protection field height 570 mm
0650	Protection field height 650 mm
0730	Protection field height 730 mm
0810	Protection field height 810 mm
0890	Protection field height 890 mm
0970	Protection field height 970 mm
1050	Protection field height 1050 mm
1130	Protection field height 1130 mm

1210	Protection field height 1210 mm
1290	Protection field height 1290 mm
1370	Protection field height 1370 mm
1450	Protection field height 1450 mm
1530	Protection field height 1530 mm (only for resolution 30 mm, 35 mm)
1610	Protection field height 1610 mm (only for resolution 30 mm, 35 mm)
1690	Protection field height 1690 mm (only for resolution 30 mm, 35 mm)
1770	Protection field height 1770 mm (only for resolution 30 mm, 35 mm)

(2)

14	Resolution 14 mm (Range 0.3 ...) 7 m
30	Resolution 30 mm (Range 0.3 ...) 10 m
35	Resolution 35 mm (Range 0.3 ...) 7 m

Pictures

Product picture (catalogue individual photo)



ID: kslc4f67
| 16.9 kB | .jpg | 79.728 x 273.756 mm - 226 x 776 px - 72 dpi
| 750.9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x 3436 px - 72 dpi
| 67.7 kB | .png | 74.083 x 254.353 mm - 210 x 721 px - 72 dpi

Dimensional drawing basic component



ID: 5slc4g23
| 76.2 kB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi
| 5.0 kB | .png | 74.083 x 158.75 mm - 210 x 450 px - 72 dpi
| 196.0 kB | .jpg | 352.778 x 757.061 mm - 1000 x 2146 px - 72 dpi

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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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