



SLC 425I-E/R0170-14-RFBC

- 1 ... 8 Cycles
- Protection class IP67
- Integrated muting und override function
- Safety type 4 in accordance with IEC 61496-1

Data

Ordering data

SLC 425I-E/R0170-14-RFBC

101207612

eCl@ss number, Version 9.0

27-27-27-04

Approval - Standards

TÜV

cULus

EAC

General data

Product name SLC 425I Safety light curtain

IEC/EN 61496-1/-2

Enclosure material Aluminium

Gross weight 1,420 g

Reaction time, maximum 15 ms

General data - Features

Muting function Yes

Override Yes

Clock control possible Yes

Restart interlock (manual reset) Yes

Beam coding available Yes

Hide function Yes

Integral System Diagnostics, status Yes

Integral System Diagnostics Yes

Number of beams	16
Number of fail-safe digital outputs	2

Safety appraisal

	ISO 13849-1 IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	7.42×10^{-9} /h
Safety Integrity Level (SIL), applicable for	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
Range, protection field, minimum	300 mm
Range, protection field, maximum	7,000 mm
Height of the protection field	170 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	255 mm
Height of Receiver	319 mm
Diameter of sensor	49 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-10 °C
Ambient temperature, maximum	+50 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °C

Electrical data

Voltage type	DC (direct current)
Switching voltage OSSD, HIGH signal	24 V
Electrical power consumption of the receiver	8 W
Electrical power consumption of the transmitter	4 W

Electrical data - Fail-safe digital outputs

Output current, (fail-safe output), maximum	0.5 A
Versions	p-type

Scope of delivery

Included in delivery	Kit with 2 mounting angles
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Accessory

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.
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Ordering code

Product type description:

SLC 425I-E/R(1)-(2)-RFBC

(1)

- 0170** Protection field height 170 mm
- 0250** Protection field height 250 mm
- 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)
1610 Protection field height 1610 mm (only for resolution 30 mm)
1690 Protection field height 1690 mm (only for resolution 30 mm)
1770 Protection field height 1770 mm (only for resolution 30 mm)

(2)

14 Resolution 14 mm
30 Resolution 30 mm

Pictures

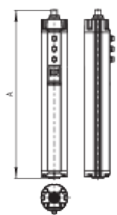
Photo/Product/Catalogue



ID: kslc4f25

| 61,7 kB | .png | 74.083 x 167.217 mm - 210 x 474
 Pixel - 72 dpi
 | 851,9 kB | .jpg | 313.619 x 708.378 mm - 889 x 2008
 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1slc4g05

| 53,8 kB | .cdr |
 | 5,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
 - 72 dpi
 | 66,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
 Pixel - 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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