



SSP

Safety System Products

EOS4 309 A

Safety light curtain for body detection with automatic restart

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we simplify safety

EOS4 309 A

General data

Item number	SP-R-13-105-01
Type designation	EOS4 309 A
Functional type	Safety light curtain for body detection with automatic restart
Number of beams	4
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Body

Safety data

MTTFd (ISO 13849-1) years	574.4
SIL (acc. IEC 62061)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
PFHd (EN ISO 13849)	8.09E-09
Approvals	CE; TÜV SUD; UL Listed ESPE; S Mark - Korea; TS - Taiwan; WEEE; Insulation Class; Low Voltage; China RoHs; IP65 - IP67; IP69K; UKCA
Performance Level (EN ISO 13849-1: 2015)	Type 4 - PL e
Safety functions	With external module

Environmental conditions

Max. operating temperature	- 30 ... 55 °C
Protective covers	None
Protection class	IP65 - IP67

Electrical data

Response times	3
Safety output type	2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and polarity reversal
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)

Mechanical data

Resolution (mm)	90
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Protected height (mm)	310
Controlled height (mm)	300
Max. Range (m)	12
Restart	Automatic
Total height (mm)	363
Cross-sectional dimensions (mm)	28 x 30
Mounting	Rear slot with a set of LE brackets (included in the scope of delivery) or at the top and bottom with SFB E swivel brackets (optional)
Max. Length of connection cable (m)	100
Connections	M12 5-pin connectors
Packaging dimensions HxLxW (mm)	145 x 390 x 200
Gross weight (g)	1464.46

Equipment

Accessories

M12-female connector, 5 pin, 10 m	CD10	SP-R-13-309-56	
M12-female connector, 5 pin, 15 m	CD15	SP-R-13-309-52	
M12-female connector, 5 pin, 20 m	CD20	SP-R-13-309-57	
M12-female connector, 5 pin, 25 m	CD25	SP-R-13-309-49	

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M12-female connector, 5 pin, 5 m

CD5

SP-R-13-309-50



M12-female connector, 5 pin, 50 m

CD50

SP-R-13-309-65



Downloads