



SSP

Safety System Products

EOS2 1809 A

Safety light curtain for body detection with automatic restart

Your advantages

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EOS2 1809 A

General data

Item number	SP-R-13-205-71
Type designation	EOS2 1809 A
Functional type	Safety light curtain for body detection with automatic restart
Number of beams	24
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Body

Safety data

SIL (acc. IEC 62061)	Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
MTTFd (ISO 13849-1) years	259.8
PFHd (EN ISO 13849)	4.09E-08
Approvals	CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; UKCA
Performance Level (EN ISO 13849-1: 2015)	Typ 2 - PL c
Safety functions	With external module

Environmental conditions

Max. operating temperature	- 30 ... 55 °C
Protective covers	None

Electrical data

Response times	8
Max. voltage (VDC)	24 ± 20%
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

Protected height (mm)	1810
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Resolution (mm)	90
Controlled height (mm)	1800
Max. Range (m)	12
Restart	Automatic
Total height (mm)	1863
Cross-sectional dimensions (mm)	28 x 30
Mounting	Back slot with LE-type brackets (included in delivery) or at the top and bottom with SFB E swivel brackets (optional)
Max. Length of connection cable (m)	100 (50 between master and slave)
Connections	M12 5-pole connectors
Packaging dimensions HxLxW (mm)	145 x 1920 x 200
Gross weight (g)	5638.76

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

- EOS2 1809 A