



SSP

Safety System Products

EOS4 1809 XM

Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (master)

Your advantages

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EOS4 1809 XM

General data

Type designation	EOS4 1809 XM
Item number	SP-R-13-105-75
Functional type	Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (master)
Master Slave Models	Yes
Number of beams	24
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Körper

Safety data

SIL (acc. IEC 62061)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
MTTFd (ISO 13849-1) years	268.5
PFHd (EN ISO 13849)	0.000000013
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	Integrated

Environmental conditions

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

Electrical data

Response times	See technical manual
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	Built-in - user selectable automatic or manual
Total height (mm)	1886.5
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 (50 between master and slave)
Connections	M12 5-pin connector (transmitter), M12 8-pin connector (receiver)
Packaging dimensions HxLxW (mm)	145 x 1960 x 200
Gross weight (g)	5781.16

Equipment

Accessories

M12-female connector, 8 pin, 10 m	C8D10	SP-R-13-309-81	
M12-female connector, 8 pin, 15 m	C8D15	SP-R-13-309-82	
M12-female connector, 8 pin, 25 m	C8D25	SP-R-13-309-67	
M12-female connector, 8 pin, 40 m	C8D40	SP-R-13-309-66	

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M12-female connector, 8 pin, 5 m	C8D5	SP-R-13-309-80	
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	
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	

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Downloads

- EOS4 1809 XM