



SSP

Safety System Products

EOS4 1804 A

Safety light curtain for hand detection with automatic restart

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EOS4 1804 A

General data

Type designation	EOS4 1804 A
Item number	SP-R-13-103-71
Functional type	Safety light curtain for hand detection with automatic restart
Number of beams	61
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Hand

Safety data

SIL (acc. IEC 62061)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
MTTFd (ISO 13849-1) years	162.2
PFHd (EN ISO 13849)	1.79E-08
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

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

Electrical data

Response times	15.5
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)	40
Controlled height (mm)	1800
Max. Range (m)	12
Restart	Automatic
Total height (mm)	1863
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 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	
M12-female connector, 12 pin, 10 m	M12-C12101-G	SP-X-33-000-21	
M12-female connector, 12 pin, 20 m	M12-C12201-G	SP-X-33-000-22	
M12-female connector, 5-pin	M12-C51-G	SP-X-33-001-00	
M12-male connector, 5 pin	M12-C52-G	SP-X-33-001-01	
M12-female connector, 8 pin	M12-C81-G	SP-X-33-001-02	
M12-male connector, 8 pin	M12-C82-G	SP-X-33-001-03	

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M12-CAN-connecting cable, 8 pin, 0,5 m	M12-M12-C-C8053-G PUR	SP-X-33-000-55	
M12-CAN-connecting cable, 8 pin, 10 m	M12-M12-C-C8103-G PUR	SP-X-33-000-59	
M12-CAN-connecting cable, 8 pin, 1 m	M12-M12-C-C813-G PUR	SP-X-33-000-56	
M12-CAN-connecting cable, 8 pin, 2 m	M12-M12-C-C823-G PUR	SP-X-33-000-57	
M12-CAN-connecting cable, 8 pin, 5 m	M12-M12-C-C853-G PUR	SP-X-33-000-58	
M12-connecting cable, 12 pin, 1 m	M12-M12-C1213-G	SP-X-33-000-30	
M12-connecting cable, 5 pin, 0,5 m	M12-M12-C5023-G	SP-X-33-000-10	
M12-connecting cable, 5 pin, 1 m	M12-M12-C513-G	SP-X-33-000-11	

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M12-connecting cable, 5 pin, 2 m	M12-M12-C523-G	SP-X-33-000-12	
M12-connecting cable, 8 pin, 10 m	M12-M12-C8103-G	SP-X-33-000-09	
M12-connecting cable, 8 pin, 1 m	M12-M12-C813-G	SP-X-33-000-25	
M12-connecting cable, 8 pin, 2 m	M12-M12-C823-G	SP-X-33-000-07	
M12-connecting cable, 8 pin, 5 m	M12-M12-C853-G	SP-X-33-000-08	
Set of 2 quick release brackets for EOS/MICRON	SFB FAST 2E	SP-R-13-109-68	
Set of 4 quick release brackets for EOS/MICRON	SFB FAST 4E	SP-R-13-109-69	

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