



SSP

Safety System Products

EOS2 453 XTL

Safety light curtain for hand detection with automatic/manual restart and EDM, High vibration resistant, Reduced range

Your advantages

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we simplify safety

EOS2 453 XTL

General data

Type designation	EOS2 453 XTL
Item number	SP-R-13-212-20
Functional type	Safety light curtain for hand detection with automatic/manual restart and EDM, High vibration resistant, Reduced range
Number of beams	23
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Hand
Range (m)	6

Safety data

MTTFd (ISO 13849-1) years	315.6
SIL (acc. IEC 62061)	Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
PFHd (EN ISO 13849)	3.31E-08
Approvals	CE; TÜV SUD; UL Listed ESPE; WEEE; Insulation class; Low voltage; China RoHs; IP65 - IP67; Resistant to High Vibrations; 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
Special versions	High vibrations

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)

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Mechanical data

Protected height (mm)	460
Resolution (mm)	30
Controlled height (mm)	450
Max. Range (m)	6
Restart	Built-in - user selectable automatic or manual
Total height (mm)	513
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
Connections	M12 5-pole connector (emitter), M12 8-pole connector (receiver)
Packaging dimensions HxLxW (mm)	145 x 540 x 200
Gross weight (g)	1826.96

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	

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M12-female connector, 8 pin, 40 m	C8D40	SP-R-13-309-66	
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

- EOS2 453 XTL