



SSP

Safety System Products

EOS2 453 AT

**Safety light curtain for hand detection with automatic restart,
high vibration resistant**

Your advantages

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we simplify safety

EOS2 453 AT

General data

Item number	SP-R-13-212-23
Type designation	EOS2 453 AT
Functional type	Safety light curtain for hand detection with automatic restart, high vibration resistant
Number of beams	23
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Hand
Range (m)	12

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

Max. voltage (VDC)	24 ± 20%
Response times	8
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)	30
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EOS2 453 AT

Protected height (mm)	460
Controlled height (mm)	450
Max. Range (m)	12
Restart	Automatic
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-pin connectors
Packaging dimensions HxLxW (mm)	145 x 540 x 200

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 453 AT