



SSP

Safety System Products

EOS2 453 XT

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

Your advantages

To the downloads ►



we simplify safety

EOS2 453 XT

General data

Item number	SP-R-13-212-16
Type designation	EOS2 453 XT
Functional type	Safety light curtain for hand detection with automatic/manual restart and EDM, high vibration resistant
Number of beams	23
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Hand
Range (m)	12

Safety data

SIL (acc. IEC 62061)	Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
MTTFd (ISO 13849-1) years	315.6
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

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

EOS2 453 XT

Mechanical data

Protected height (mm)	460
Resolution (mm)	30
Controlled height (mm)	450
Max. Range (m)	12
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	

EOS2 453 XT

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	

EOS2 453 XT

Downloads

- EOS2 453 XT