



SSP

Safety System Products

EOS4 451 XT

Safety light curtain for fingerprint recognition with automatic/manual restart and EDM, resistant to high vibrations

Your advantages

To the downloads ►



we simplify safety

EOS4 451 XT

General data

Item number	SP-R-13-108-52
Type designation	EOS4 451 XT
Functional type	Safety light curtain for fingerprint recognition with automatic/manual restart and EDM, resistant to high vibrations
Number of beams	45
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Finger
Range (m)	12

Safety data

MTTFd (ISO 13849-1) years	431.5
SIL (acc. IEC 62061)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
PFHd (EN ISO 13849)	1.38E-08
Approvals	CE; TÜV SUD; UL Listed ESPE; WEEE; Insulation class; Low voltage; China RoHs; IP65 - IP67; UKCA; Resistant to strong vibrations
Performance Level (EN ISO 13849-1: 2015)	Type 4 - PL e
Safety functions	With external module

Environmental conditions

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

Electrical data

Response times	7.5
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 bei 24 VDC)

EOS4 451 XT

Mechanical data

Protected height (mm)	460
Resolution (mm)	14
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	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 plug (transmitter), M12 8-pin plug (receiver)
Packaging dimensions HxLxW (mm)	0 x 0 x 0

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	

EOS4 451 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	

EOS4 451 XT

Downloads