



SSP

Safety System Products

EOS4 451 XS2

Safety light curtain for finger detection for cascade switching with automatic/manual restart and EDM (second-tier slave model)

Your advantages

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EOS4 451 XS2

General data

Type designation	EOS4 451 XS2
Item number	SP-R-13-100-42
Functional type	Safety light curtain for finger detection for cascade switching with automatic/manual restart and EDM (second-tier slave model)
Master Slave Models	Yes
Number of beams	45
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Finger

Safety data

SIL (acc. IEC 62061)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
MTTFd (ISO 13849-1) years	431.5
PFHd (EN ISO 13849)	1.38E-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	Integrated

Environmental conditions

Max. operating temperature	- 20 ... 55 °C
Protective covers	None
Protection class	IP65 - IP67

Electrical data

Response times	See technical manual
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)	460
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Resolution (mm)	14
Controlled height (mm)	450
Max. Range (m)	6
Restart	Built-in - user selectable automatic or manual
Total height (mm)	536.5
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 (50 between master and slave)
Connections	M12 5-pin connectors
Packaging dimensions HxLxW (mm)	145 x 550 x 200
Gross weight (g)	1833.06

Downloads

- EOS4 451 XS2