



SSP

Safety System Products

EOS2 1659 XS2

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

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EOS2 1659 XS2

General data

Item number	SP-R-13-205-78
Type designation	EOS2 1659 XS2
Functional type	Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (second-tier slave model)
Master Slave Models	Yes
Number of beams	22
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Body

Safety data

MTTFd (ISO 13849-1) years	273.6
SIL (acc. IEC 62061)	Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
PFHd (EN ISO 13849)	3.87E-08
Approvals	CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; UKCA
Performance Level (EN ISO 13849-1: 2015)	Typ 2 - PL c
Safety functions	Integrated

Environmental conditions

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

Electrical data

Max. voltage (VDC)	24 ± 20%
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)	1660
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Resolution (mm)	90
Controlled height (mm)	1650
Max. Range (m)	12
Restart	Built-in - user selectable automatic or manual
Total height (mm)	1736.5
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 (50 between master and slave)
Connections	M12 5-pole connectors
Packaging dimensions HxLxW (mm)	0 x 0 x 0

Downloads

- EOS2 1659 XS2