



SSP

Safety System Products

EOS2 1653 X WTHF

**Safety light curtain with heated, waterproof housing,
IP69K/Ecolab certified, Automatic/Manual restart and EDM,
Pre-wired with 10 m lead cable**

Your advantages

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EOS2 1653 X WTHF

General data

Item number	SP-R-11-200-52
Type designation	EOS2 1653 X WTHF
Functional type	Safety light curtain with heated, waterproof housing, IP69K/Ecolab certified, Automatic/Manual restart and EDM, Pre-wired with 10 m lead cable
Number of beams	83
Signalling	LEDs for status and diagnostics of the light curtain
Detection	Hand

Safety data

MTTFd (ISO 13849-1) years	100
SIL (acc. IEC 62061)	Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
PFHd (EN ISO 13849)	8.35E-08
Approvals	CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; IP69K; UKCA
Performance Level (EN ISO 13849-1: 2015)	Typ 2 - PL c
Safety functions	Integrated

Environmental conditions

Protective covers	Food industry IP69K
Max. operating temperature	0 ... 55 °C
Max. Water pressure (bar)	80 ... 100
Special versions	Waterproof housing Food and beverage

Electrical data

Max. voltage (VDC)	24 ± 20%
Response times	21
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)

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Mechanical data

Protected height (mm)	1660
Resolution (mm)	30
Controlled height (mm)	1650
Max. Range (m)	10
Restart	Built-in - user selectable automatic or manual
Total height (mm)	1837
Mounting	Set of 4 ring holders (included in delivery)
Max. Length of connection cable (m)	100
Connections	Cable output
Diameter (mm)	56
Packaging dimensions HxLxW (mm)	145 x 1960 x 200
Gross weight (g)	8783.49
Food-grade materials	Yes

Downloads

- EOS2 1653 X WTHF