OMRON Industrial Automation



F3SG-4RE1790P30

Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1790 mm, PNP

Specifications

Type of safety according to IEC 61496-1	4
Type of protection	Hand protection
Detection capability	30 mm
Safety field height	1790 mm
Beam gap	20 mm
Number of beams	88
Number of protected semiconductor outputs	2
Number of semiconductor outputs with signalling function	0
Maximum safety range	20 m
Minimum operating distance	0.3 m
Response time	9 ms
Cascadable	✖
With muting function	✖
With beam coding	✖
Type of switching output of the OSSD	PNP
Key features	Fast response (ON/OFF applications), Simple wiring
Suitable for safety functions	✔
Scope of delivery	Transmitter and receiver
Wavelength of the sensor	870 nm
Connection method	M12 pigtail Smartclick connector
Supply voltage DC	19.2-28.8 V
Voltage type	DC
Max. output current at protected output	300 mA

Degree of protection (IP)	IP67
Ambient temperature	-10-55 °C
Overall length of sensor	1790 mm
Height of sensor	35 mm
Width of sensor	35 mm

Downloads

CAD file



F3SG-R

Brochure

EN PDF 11.3 MB



F3SG-R Series Safety Light Curtain

Datasheet

EN PDF 28 MB



F3SG-RA_RE safety light curtains

Discontinuation Notice

EN PDF 2.31 MB



F3SG-_R_Safety_Precautions

Instruction Sheet

EN PDF 486 KB



Machine Safety

Catalogue

EN PDF 9.91 MB



Machine Safety Solution

Brochure

EN PDF 2.86 MB



Safety Component Selection Guide EU

Brochure

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Safety Solution Advanced Guide

Guide

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Safety Solution Basic Guide

Guide

EN PDF 14.4 MB

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