



F3SG-2RE1550P30

Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 1550 mm, PNP

Specifications

Type of safety according to IEC 61496-1	2
Type of protection	Hand protection
Detection capability	30 mm
Safety field height	1550 mm
Beam gap	20 mm
Number of beams	76
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	1568 mm
Height of sensor	35 mm
Width of sensor	35 mm

Downloads



EAC Mark removal Discontinuation Notice

EN PDF 221 KB



F3SG-R Brochure

EN PDF 11.3 MB



F3SG-R Series Safety Light Curtain Datasheet

EN PDF 28 MB



F3SG- R_Safety_Precautions Instruction Sheet

EN PDF 486 KB



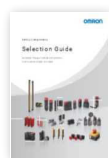
Machine Safety Catalogue

EN PDF 9.91 MB



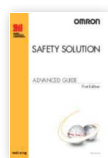
Machine Safety Solution Brochure

EN PDF 2.86 MB



Safety Component Selection Guide EU Brochure

EN PDF 5.26 MB



Safety Solution Advanced Guide Guide

EN PDF 2.57 MB



Safety Solution Basic Guide Guide

EN PDF 14.4 MB

TERMS OF WEBSITE USE

This PDF document was created from the European OMRON Industrial Automation website on 10 January, 2026. Click here for [terms of use](#).

OMRON

INDUSTRIAL AUTOMATION | INDUSTRIAL.OMRON.EU