OMRON Industrial Automation



F3SG-4RE0480P14

Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 mm, PNP

Specifications

Type of safety according to IEC 61496-1	4
Type of protection	Finger protection
Detection capability	14 mm
Safety field height	480 mm
Beam gap	10 mm
Number of beams	47
Number of protected semiconductor outputs	2
Number of semiconductor outputs with signalling function	0
Maximum safety range	10 m
Minimum operating distance	0.3 m
Response time	7 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	510 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
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 4 November, 2026. Click here for terms of use.

OMRON

INDUSTRIAL AUTOMATION | INDUSTRIAL.OMRON.EU