

**INDUSTRIAL COMPONENT DATA**

# F3SG-4SRA0520-14-F F3G28010D 699885 OMRON Safety Light Barrier, Advanced F3SG-SRA, Type 4, 25mm Resolution, ..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRA0520-14-F



|                 |                    |
|-----------------|--------------------|
| Manufacturer    | OMRON              |
| MPN / Reference | F3SG-4SRA0520-14-F |
| Catalog number  | F3SG4SRA052014F    |
| Category        | Light curtain      |
| Minimum order   | 1 Pcs              |
| Document ID     | EO-6BBAF34C8F      |
| Generated       | 2026-08-06         |

## Product Overview

Safety Light Curtain, F3SG-SRA Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 520 mm, PNP/NPN

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                            |
|--------------|--------------------------------------------|
| Catalog path | OMRON > Security Sensors > Barriers F3SG-R |
|--------------|--------------------------------------------|

## Additional Product Information

**Specifications**

Sensing method Safety light curtain

Type of protection Finger protection

Number of beams 51

Detection capability 14 mm

Safety field height 520 mm

Type of safety according to IEC 61496-1 4

Beam spacing 10 mm

Maximum safety range 10 m

Minimum operating distance 0.3 m

Key features Area Beam Indicator, Auxiliary output, Blanking, Designated beam output, External Device Monitoring (EDM), External test, Interlock, Muting, Mutual interference prevention, Operating range selection, PNP/NPN selection, Pre-reset, Response time adjustment, Vibration detection, Warning zone

Degree of protection (IP) IP65/IP67/IP67G

Cascadable

Number of protected semiconductor outputs 2  
Number of semiconductor outputs with signalling function 1  
Type of switching output of the OSSD PNP/NPN  
Response time 13 ms  
With muting function  
With beam coding  
Communication option(s) Bluetooth, IO-Link, USB  
Suitable for safety functions  
Scope of delivery Transmitter and receiver  
Wavelength of the sensor 870 nm  
Connection method Root connector (order separately)  
Supply voltage DC 19.2-28.8 V  
Max. output current at protected output 300 mA  
Ambient temperature -30-55 °C  
Overall length of sensor 520 mm  
Height of sensor 520 mm  
Width of sensor 32 mm  
Number of fixed side-mount brackets 2  
Number of adjustable side-mount brackets 2  
Number of intermediate brackets 0  
Accessories  
E39-R1S Accessory photoelectric sensor, reflector, 40 x 60 x 7.5 mm, ABS & Acrylic  
E3AS-F1000IPT-M1TJ 0.3M Photoelectric sensor, rectangula...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRA0520-14-F with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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