

## INDUSTRIAL COMPONENT DATA

# F3SG-4SRA0680-25-F F3G28041D 699894 OMRON Safety optical barrier, advanced F3SG-SRA, type 4, 25 mm resolution..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRA0680-25-F



|                 |                    |
|-----------------|--------------------|
| Manufacturer    | OMRON              |
| MPN / Reference | F3SG-4SRA0680-25-F |
| Catalog number  | F3SG4SRA068025F    |
| Category        | Light curtain      |
| Minimum order   | 1 Pcs              |
| Document ID     | EO-CE51BC96EF      |
| Generated       | 2026-08-06         |

## Product Overview

Safety Light Curtain, F3SG-SRA Advanced, Type 4, 25 mm resolution, range 0.3 to 20.0 m, height 680 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 Hand protection

Number of beams 34

Detection capability 25 mm

Safety field height 680 mm

Type of safety according to IEC 61496-1 4

Beam spacing 20 mm

Maximum safety range 20 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 8 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  
Voltage type DC  
Max. output current at protected output 300 mA  
Ambient temperature -30-55 °C  
Overall length 680 mm  
Height of sensor 38 mm  
Width 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 photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic  
E3AS-F1000IPT-M1TJ 0.3M Photoelectric sensor, rectangular housing, pl...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRA0680-25-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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