

## INDUSTRIAL COMPONENT DATA

# F3SG-4SRA0240-45 F3G28065A F3SG4SRA024045 OMRON

## Safety Light Curtain, F3SG-SRA Advanced, Type 4, 45 mm resol..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRA0240-45



|                 |                  |
|-----------------|------------------|
| Manufacturer    | OMRON            |
| MPN / Reference | F3SG-4SRA0240-45 |
| Catalog number  | F3SG4SRA024045   |
| Category        | Light curtain    |
| Minimum order   | 1 Pcs            |
| Document ID     | EO-A8A9AD54DE    |
| Generated       | 2026-08-04       |

### Product Overview

Safety Light Curtain, F3SG-SRA Advanced, Type 4, 45 mm resolution, range 0.3 to 20.0 m, height 240 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

Sensing methodSafety light curtainType of protectionArm/leg protectionNumber of beams6Detection capability45 mmSafety field height240 mmType of safety according to IEC 61496-14Beam spacing40 mmMaximum safety range20 mMinimum operating distance0.3 mKey featuresArea 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 zoneDegree of protection (IP)IP65/IP67/IP67GCascadableNumber of protected semiconductor outputs2Number of semiconductor outputs with signalling function1Type of switching output of the OSSDPNP/NPNResponse time8 msWith muting functionWith beam codingCommunication option(s)Bluetooth, IO-Link, USBSuitable for safety functionsScope of deliveryTransmitter and receiverWavelength of the sensor870 nmConnection methodRoot connector (order separately)Supply voltage DC19.2-28.8 VMax. output current at protected output300 mAAmbient temperature-30-55 °COverall length of sensor240 mmHeight of sensor240 mmWidth of sensor32 mmNumber of fixed side-mount brackets2Number of adjustable side-mount brackets1Number of intermediate brackets0  
ETIM for 699898 Sensors (EC002549)

Feature Name

Feature Value

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Type of switching output of the OSSD (EF003959)

PNP/NPN

Scope of delivery of the one-w...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRA0240-45 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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