

## INDUSTRIAL COMPONENT DATA

# F3SG-2RA0830-30 F3SG6089B F3SG2RA083030,1 OMRON

## Barrier advanced security IP67 Type 2 Hand 830mm

Brand: OMRON | Manufacturer Part Number: F3SG-2RA0830-30



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | OMRON           |
| MPN / Reference | F3SG-2RA0830-30 |
| Catalog number  | F3SG2RA083030.1 |
| Category        | Light curtain   |
| Minimum order   | 1 Pcs           |
| Document ID     | EO-07A2BE0564   |
| Generated       | 2026-07-29      |

### Product Overview

Barrier advanced security IP67 Type 2 Hand 830mm

Safety Sensor, F3SG-R Advanced, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 830 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 &gt; Security Sensors &gt; Barriers F3SG-R

### Additional Product Information

## Specifications

Type of safety according to IEC 61496-1 2

Type of protection Hand protection

Detection capability 30 mm

Safety field height 830 mm

Beam gap 20 mm

Number of beams 40

Number of protected semiconductor outputs 2

Number of semiconductor outputs with signalling function 1

Maximum safety range 20 m

Minimum operating distance 0.3 m

Response time 8 ms

Cascadable

With muting function

With beam coding

Type of switching output of the OSSD PNP/NPN

Communication port(s) USB

Suitable for safety functions

Scope of delivery Transmitter and receiver

Wavelength of the sensor 870 nm

Type of electric connection Connector M12

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 848 mm

Height of sensor 35 mm

Width sensor 35 mm

Accessories

F39-JG3A-L Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 3 m

ETIM for 674086 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-way system (EF004032)

Transmitter and receiver

Degree of protection (NEMA) (EF011959)

Other

Degree of protection (IP) (EF005474)

IP67

Type of safety according to IEC 61496-1 (EF004105)

2

Type of interface for safety communication (EF003956)

Other

Type of electric connection (EF003961)

Connector M12

Operation agent-safety cla...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-2RA0830-30 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

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.