

INDUSTRIAL COMPONENT DATA

F3SG-4RA0240-14 F3SG6002G F3SG4RA024014,1 OMRON

Barrier security advanced, IP67, Type 4, Finger 240mm

Brand: OMRON | Manufacturer Part Number: F3SG-4RA0240-14



Manufacturer	OMRON
MPN / Reference	F3SG-4RA0240-14
Catalog number	F3SG4RA024014.1
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-05E96E9FEE
Generated	2026-08-01

Product Overview

Barrier security advanced, IP67, Type 4, Finger 240mm

Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 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

Specifications

Type of safety according to IEC 61496-1 4

Type of protection Finger protection

Detection capability 14 mm

Safety field height 240 mm

Beam gap 10 mm

Number of beams 23

Number of protected semiconductor outputs 2

Number of semiconductor outputs with signalling function 1

Maximum safety range 10 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 288 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

F39-JG7A-D Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 7 m

F39-JG7A-L Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 7 m

ETIM for 673576 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 s...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4RA0240-14 with the required quantity to info@electricaonline.com or use 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.