

INDUSTRIAL COMPONENT DATA

F3SG-4RA1680-14 F3SG6020E F3SG4RA168014,1 OMRON

Barrier security advanced, IP67, Type 4, Finger 1680mm

Brand: OMRON | Manufacturer Part Number: F3SG-4RA1680-14



Manufacturer	OMRON
MPN / Reference	F3SG-4RA1680-14
Catalog number	F3SG4RA168014.1
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-E89EA3EE62
Generated	2026-08-03

Product Overview

Barrier security advanced, IP67, Type 4, Finger 1680mm

Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1680 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

ETIM for 673532 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)

4

Type of interface for safety communication (EF003956)

Other

Type of electric connection (EF003961)

Connector M12

Operation agent-safety class (EF003982)

Safety class 3

Explosion safety category for gas (EF003997)

None

Cascadable (EF000507)

Yes

Override possible (EF004061)

Yes

With muting function (EF004057)

Yes

With monitoring function downstream switching devices (EF004052)

Yes

Suitable for safety functions (EF001597)

Yes

Reduced resolution (EF004095)

Yes

With beam coding (EF004114)

Yes

Fade-out possible (EF003955)

Yes

With restart blockage (EF004054)

Yes

Max. output current at protected output (EF004035)

300 mA

Number of protected contact energized outputs (EF003952)

0

Number of semiconductor outputs with signalling function (EF003945)

1

Safety field height (EF004103)

1680 mm

Wavelength of the sensor (EF004132)

870 nm

Detection capability for test bodies (EF003991)

14 mm

Resolution of the light curtain (EF006784)

10 mm

Response time (EF004094)

18 ms

Number of protected semiconductor outputs (EF003951)

2

Transmission range of the safety field (EF004098)

10 m

Switching v...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4RA1680-14 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.