

INDUSTRIAL COMPONENT DATA

F3SG-4RE0160P14 F3SG6111B 673303 OMRON Basic Safety Barrier IP67 Type 4 Finger 160mm

Brand: OMRON | Manufacturer Part Number: F3SG-4RE0160P14



Manufacturer	OMRON
MPN / Reference	F3SG-4RE0160P14
Catalog number	F3SG4RE0160P14.1
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-C14E04BDC9
Generated	2026-07-31

Product Overview

Barrier basic safety, IP67, Type 4 Toe 160mm

Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 160 mm, PNP

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 160 mm

Beam gap 10 mm

Number of beams 15

Number of protected semiconductor outputs 2

Number of semiconductor outputs with signalling function 0

Maximum safety range 10 m

Minimum operating distance 0.3 m

Response time 5 ms

Cascadable

With muting function

With beam coding
Type of switching output of the OSSD PNP
Key features Fast response (ON/OFF applications), Simple wiring
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 190 mm
Height of sensor 35 mm
Width sensor 35 mm
ETIM for 673303 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
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 (EF0039...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4RE0160P14 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.