

INDUSTRIAL COMPONENT DATA

F3SG-4RE0480P14 F3SG6115E 673258 OMRON Basic Safety Barrier IP67 Type 4 Finger 480mm

Brand: OMRON | Manufacturer Part Number: F3SG-4RE0480P14



Manufacturer	OMRON
MPN / Reference	F3SG-4RE0480P14
Catalog number	F3SG4RE0480P14.1
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-EDDBD18782
Generated	2026-08-02

Product Overview

Barrier basic safety, IP67, Type 4, Finger 480mm

Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 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 480 mm

Beam gap 10 mm

Number of beams 47

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 7 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 510 mm
Height of sensor 35 mm
Width sensor 35 mm
ETIM for 673258 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-4RE0480P14 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.