

INDUSTRIAL COMPONENT DATA

F3SG-4SRB0480-14-K F3G21109R F3SG4SRB048014K OMRON Safety Light Curtain, F3SG-SRB IP69K version, Type 4, 14 ..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRB0480-14-K



Manufacturer	OMRON
MPN / Reference	F3SG-4SRB0480-14-K
Catalog number	F3SG4SRB048014K
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-3C98D5A5FA
Generated	2026-08-04

Product Overview

Safety Light Curtain, F3SG-SRB IP69K version, Type 4, 14 mm resolution, range 0.3 to 8.0 m, height 480 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

Sensing methodSafety light curtainType of protectionFinger protectionNumber of beams47Detection capability14 mmSafety field height480 mmType of safety according to IEC 61496-14Beam spacing10 mmMaximum safety range8 mMinimum operating distance0.3 mKey featuresAuxiliary output, Blanking, Designated beam output, External Device Monitoring (EDM), External test, Interlock, Muting, Mutual interference prevention, Operating range selection, PNP/NPN selection, Pre-reset, Response time adjustmentDegree of protection (IP)IP65/IP67/IP69K CascadableNumber of protected semiconductor outputs2Number of semiconductor outputs with signalling function1Type of switching output of the OSSDPNP/NPNResponse time13 msWith muting functionWith beam codingCommunication option(s)Bluetooth, IO-Link, USBSuitable for safety functionsScope of deliveryTransmitter and receiverWavelength of the sensor870 nmConnection methodRoot connector (order separately)Supply voltage DC19.2-28.8 VMax. output current at protected output300 mAAmbient temperature-30-55 °COverall length of sensor480 mmHeight of sensor480 mmWidth of sensor60 mmNumber of fixed side-mount brackets0Number of adjustable side-mount brackets0Number of intermediate brackets0
ETIM for 695983 Sensors (EC002549)
Feature Name

Feature Value

Degree of protection (NEMA) (EF011959)

Other

Degree of protection (IP) (EF005474)

IP69K

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

4

Type of interface for safety communication (EF003956)

Other

Operation agent-saf...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRB0480-14-K 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.