

INDUSTRIAL COMPONENT DATA

F3SG-4SRB0240-45 F3G28165H F3SG4SRB024045,1 OMRON

Safety Light Curtain, F3SG-SRB Standard, Type 4, 45 mm res..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRB0240-45



Manufacturer	OMRON
MPN / Reference	F3SG-4SRB0240-45
Catalog number	F3SG4SRB024045.1
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-2EC150B17B
Generated	2026-08-04

Product Overview

Safety Light Curtain, F3SG-SRB Standard, Type 4, 45 mm resolution, range 0.3 to 20.0 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

Sensing methodSafety light curtainType of protectionArm/leg protectionNumber of beams6Detection capability45 mmSafety field height240 mmType of safety according to IEC 61496-14Beam spacing40 mmMaximum safety range20 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 adjustment, Warning zoneDegree of protection (IP)IP65/IP67/IP67GCascadableNumber of protected semiconductor outputs2Number of semiconductor outputs with signalling function1Type of switching output of the OSSDPNP/NPNResponse time8 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 sensor240 mmHeight of sensor240 mmWidth of sensor32 mmNumber of fixed side-mount brackets2Number of adjustable side-mount brackets1Number of intermediate brackets0

ETIM for 699809 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 recei...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRB0240-45 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.