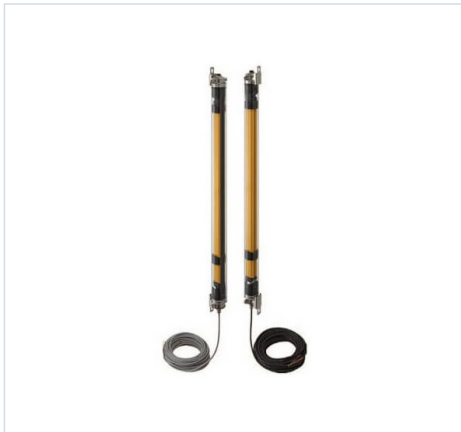


INDUSTRIAL COMPONENT DATA

F3SG-4SRB0720-25-K F3G21142M 696346 OMRON Safety Light Barrier, F3SG-SRB Standard, Type 4, 14 mm Resolution,..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRB0720-25-K



Manufacturer	OMRON
MPN / Reference	F3SG-4SRB0720-25-K
Catalog number	F3SG4SRB072025K
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-E8DB559119
Generated	2026-08-06

Product Overview

Safety Light Curtain, F3SG-SRB IP69K version, Type 4, 25 mm resolution, range 0.3 to 16.0 m, height 720 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
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Additional Product Information

Specifications

Sensing method Safety light curtain

Type of protection Hand protection

Number of beams 36

Detection capability 25 mm

Safety field height 720 mm

Type of safety according to IEC 61496-1 4

Beam spacing 20 mm

Maximum safety range 16 m

Minimum operating distance 0.3 m

Key features Auxiliary 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

Degree of protection (IP) IP65/IP67/IP69K

Cascadable

Number of protected semiconductor outputs 2

Number of semiconductor outputs with signalling function 1

Type of switching output of the OSSD PNP/NPN

Response time 8 ms

With muting function

With beam coding

Communication option(s) Bluetooth, IO-Link, USB

Suitable for safety functions

Scope of delivery Transmitter and receiver

Wavelength of the sensor 870 nm

Connection method Root connector (order separately)

Supply voltage DC 19.2-28.8 V

Max. output current at protected output 300 mA

Ambient temperature -30-55 °C

Overall length of sensor 720 mm

Height of sensor 720 mm

Width of sensor 60 mm

Number of fixed side-mount brackets 0

Number of adjustable side-mount brackets 0

Number of intermediate brackets 0

Accessories

E39-R1S Accessory photoelectric sensor, reflector, 40 x 60 x 7.5 mm, ABS & Acrylic

E3AS-F1000IPT-M1TJ 0.3M Photoelectric sensor, rectangular housing, plastic body, infrared laser class 1, time-of-fl...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRB0720-25-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

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