

INDUSTRIAL COMPONENT DATA

F3SG-4SRA0720-45 F3G28068F 699900 OMRON Safety optical barrier, advanced F3SG-SRA, type 4, 25 mm resolution,..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRA0720-45



Manufacturer	OMRON
MPN / Reference	F3SG-4SRA0720-45
Catalog number	F3SG4SRA072045
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-324887F5A3
Generated	2026-08-05

Product Overview

Safety Light Curtain, F3SG-SRA Advanced, Type 4, 45 mm resolution, range 0.3 to 20.0 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

Additional Product Information

Specifications

Sensing method Safety light curtain

Type of protection Arm/leg protection

Number of beams 18

Detection capability 45 mm

Safety field height 720 mm

Type of safety according to IEC 61496-1 4

Beam spacing 40 mm

Maximum safety range 20 m

Minimum operating distance 0.3 m

Key features Area Beam Indicator, 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, Vibration detection, Warning zone

Degree of protection (IP) IP65/IP67/IP67G

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
Voltage type DC
Max. output current at protected output 300 mA
Ambient temperature -30-55 °C
Overall length 720 mm
Height of sensor 38 mm
Width sensor 32 mm
Number of fixed side-mount brackets 2
Number of adjustable side-mount brackets 2
Number of intermediate brackets 0
Accessories
E39-R1S Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic
E3AS-F1000IPT-M1TJ 0.3M Photoelectric sensor, rectangular housing,...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SG-4SRA0720-45 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.