

INDUSTRIAL COMPONENT DATA

F3SG-4SRA0840-14-F F3G28018M 699889 OMRON Safety Light Barrier, Advanced F3SG-SRA, Type 4, 25mm Resolution, ..

Brand: OMRON | Manufacturer Part Number: F3SG-4SRA0840-14-F

Manufacturer	OMRON
MPN / Reference	F3SG-4SRA0840-14-F
Catalog number	F3SG4SRA084014F
Category	Light curtain
Minimum order	1 Pcs
Document ID	EO-56D68EEFDD
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Product Overview

Safety Light Curtain, F3SG-SRA Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 840 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 Finger protection

Number of beams 83

Detection capability 14 mm

Safety field height 840 mm

Type of safety according to IEC 61496-1 4

Beam spacing 10 mm

Maximum safety range 10 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 13 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 840 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-4SRA0840-14-F with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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