

INDUSTRIAL COMPONENT DATA

F3SP-U3P-TGR 149979 OMRON Driver Muting 2 Photocells-DIN 22.5 mm

Brand: OMRON | Manufacturer Part Number: F3SP-U3P-TGR



Manufacturer	OMRON
MPN / Reference	F3SP-U3P-TGR
Catalog number	149979
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-FA857E97CB
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Product Overview

Driver Muting 2 Photocells-DIN 22.5 mm
Muting Controller 2 DIN Photocells 22.5mm

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Safety > Others

Additional Product Information

E3FSSafety sensors

Single-beam safety sensor in compact housing

The slender M18-sized E3FS is a type 2 safety single beam with an operating range of up to 10 m. Plastic and metal housing, cable and M12-connector offer flexibility in application together with a control unit such as F3SP-U3P or F3SP-U5P.

- Sensing distance up to 10 m
- LEDs for easy alignment and diagnosis
- Cable and M12 plug categories
- Plastic and metal housing
- Type 2 sensor complying with EN 61496-1

Ordering information

Safety single beam sensors (Type 2)Controller for safety single beam sensors

Case material Operation distanceOrder code

Sensors Output contactsWidthOrder code

Plastic 0 to 10 mCable type E3FS-10B4

Plug type E3FS-10B4-P1

Nickel brassCable typeE3FS-10B4-M Plug type E3FS-10B4-M1-M

1 to 2

Safety single beam sensors

1 to 4

Safety single beam sensors

2 NO 2.5 A22.5 mm F3SP-U3P-TGR

45 mmF3SP-U5P-TGR

Specifications

Sensors

Sensing method Through-beam

ControllerF3SP-U3P-TGR, F3SP-U5P-TGR Supply voltage (Vs) 24 VDC $\pm$ 10% (ripple p-p 10% max.) Effective aperture angle (EAA) $\pm 5^\circ$ (at 3 m)

Current consumption Emitter:50 mA max.

Receiver:25 mA max.

Sensing distance10 m

Standard sensing objectOpaque object: 11 mm min. in diameter

Response time 2.0 ms (E3FS only)

Control outputPNP transistor output, load current: 100 mA max.

Test input (emitter)21.5 to 24 VDC: Emitter OFF (source current: 3 mA max.)

Open or 0 to 2.5V: Emitter ON (leakage current: 0.1 mA max.)

Ambient light intensityIncandescent lamp: 3.00...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3SP-U3P-TGR with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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