

INDUSTRIAL COMPONENT DATA

F3S-TGR-NLMX-21-05 AA040402F F3STGRNLMX2105 OMRON

Switch Sec. PLe Long Metal ATEX 2NC+1NO 5m

Brand: OMRON | Manufacturer Part Number: F3S-TGR-NLMX-21-05



Manufacturer	OMRON
MPN / Reference	F3S-TGR-NLMX-21-05
Catalog number	F3STGRNLMX2105
Category	Position switch with separate actuator
Minimum order	1 Pcs
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Product Overview

Switch Sec. PLe Long Metal ATEX 2NC+1NO 5m

Non-contact door switch, ex zone, reed, elongated stainless steel, 2NC+1NO, 5m cable

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 > Contactless Switches TGR

Additional Product Information

FeaturesExplosion proof non-contact switches

Explosion proof reed non-contact switches monitor the status of guarding doors in petrochemical and food applications with explosive atmospheres.

Based on reed technology

Connect up to 6 switches in series

Operates with all Omron safety controllers

Operates behind stainless steel fittings

Non-contact - no abrasion - no particles

Compensation of mechanical tolerances

Suitable for high pressure cleaning, CIP/SIP processes

Conforms to safety categories up PLe acc. EN ISO13849-1

For use in hazardous areas IECEx and ATEX EExd IIC T6 (Gas and Dust). Designed for Petro-chemical and food applications where explosive atmospheres are present.

Ordering information

Elongated sensors

Type

Cable connection

Contact configuration

Order code

5 m pre-wired

2NC/1NO

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10 m pre-wired

2NC/1NO

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Barrel sensors

Type

Cable connection

Contact configuration

Order code

5 m pre-wired

2NC/1NO

F3S-TGR-NBMX-21-05

10 m pre-wired

2NC/1NO

F3S-TGR-NBMX-21-10

Specifications

Mechanical data

Elongated sensors

Barrel sensors

Serial switching

up to 6 pcs.

Indicator

-

None

Operating distance

OFF ? ON (Sao)

10 mm close

ON ? OFF (Sar)

22 mm open

Actuator approach speed

Min.

Max.

4 mm/s

1000 mm/s

Operating temperature

-

-20°C to +60°C

Enclosure protection

Flying lead

IP 67 Certification for IP67 but can be used for SIP/CIP and high pressure cleaning like IP69K)

Material

-

Stainless steel 316

Electrical data

Elongated sensors

Barrel sensors

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3S-TGR-NLMX-21-05 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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