

INDUSTRIAL COMPONENT DATA

F3S-TGR-KH16-22 AA042785R F3STGRKH1622 OMRON FC Gate Head Metal Body Stainless steel. 3xM20 2NC/2NA Slow

Brand: OMRON | Manufacturer Part Number: F3S-TGR-KH16-22



Manufacturer	OMRON
MPN / Reference	F3S-TGR-KH16-22
Catalog number	F3STGRKH1622
Category	Position switch with separate actuator
Minimum order	1 Pcs
Document ID	EO-9CC9AAE50E
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Product Overview

FC Gate Head Metal Body Stainless steel. 3xM20 2NC/2NA Slow

FC Door Head Metal Stainless Steel Body. 3xM20 2NC/2NA Slow

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
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Additional Product Information

FeaturesSafety door switches with stainless steel head or full stainless steel body

This safety door switches use a stainless steel head or even a full stainless steel body to increase the robustness.

2NC/1NO or 3NC contacts

Key entry turnable to back side

4 key insertion positions

3 M20 conduit entries

Positive break contacts (to IEC 60947-5-1)

Ordering information

Switches

Type

Housing

Conduit

Contacts

Order code

Plastic body with metal head

M20

2NC/1NO

Slow action

F3S-TGR-KM15-21

3NC

Slow action

F3S-TGR-KM15-30

Plastic body with metal head

2NC/2NO

Slow action

F3S-TGR-KM16-22

3NC

Slow action

F3S-TGR-KM16-30

Full stainless steel body

2NC/2NO

Slow action

F3S-TGR-KH16-22

3NC

Slow action

F3S-TGR-KH16-30

Keys (order separately)

Type

Order code

for metal head

F39-TGR-KAM

Horizontal mounting

F39-TGR-KF

plastic flexible

F39-TGR-KPF

heavy flexible

F39-TGR-KHF

hygienic flexible

F39-TGR-KHFH

Accessories

Item

Remarks

Order code

M20 Gland

Stainless steel 316 for F3S-TGR-KH16 types

F39-TGR-M20

Mounting screws

Set of Torx safety screws (M4, 4 × 30 mm, 4 × 20 mm, 4 × 10 mm; incl. washers and Torx bit)

F39-TGR-N-SCREWS

Specifications

Item

F3S-TGR-KM15

F3S-TGR-KM16

F3S-TGR-KH16

Standards

EN1088, IEC 60947-5-1, EN 60204-1, UL508

EN ISO 13849-1: up to PLe1

EN 62061: up to SIL31

Mechanical reliability B10d

2.5 × 10⁶ operations at 100mA load

PFHd

3.44 × 10⁻⁸

Proof test interval (Life)

35 years

MTTFd

356 years

Utilization category

AC15 A300 3 A

Thermal current (I_{th})

5 A

Rated insulation/Withstand...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3S-TGR-KH16-22 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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