

## INDUSTRIAL COMPONENT DATA

# F3S-TGR-NLPC-20-M1J8 AA020781F F3STGRNLPC20M1J8

## OMRON Switch Sec. PLe Long-Plast. Codif. 2NC LED's M12-8pin

Brand: OMRON | Manufacturer Part Number: F3S-TGR-NLPC-20-M1J8



|                 |                                        |
|-----------------|----------------------------------------|
| Manufacturer    | OMRON                                  |
| MPN / Reference | F3S-TGR-NLPC-20-M1J8                   |
| Catalog number  | F3STGRNLPC20M1J8                       |
| Category        | Position switch with separate actuator |
| Minimum order   | 1 Pcs                                  |
| Document ID     | EO-79CF69288F                          |
| Generated       | 2026-07-29                             |

### Product Overview

Switch Sec. PLe Long-Plast. Codif. 2NC LED's M12-8pin

Non-contact door switch, coded, elongated sensor M12 connector, plastic, 2 NC contacts

## STRUCTURED PRODUCT DATA

### Technical Specifications

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

### Classification & Catalog Path

Catalog path OMRON &gt; Safety &gt; Contactless Switches TGR

### Additional Product Information

Door switch typeNon-contact, Hall codedGuard-lockCodingBasicMaterial housingPolyesterAmbient temperature (operating)-25-80 °CDoor contacts NC2Door contacts NO0LED indicatorConnection methodM12 pigtail connectorCable length0.25 mCable exit directionLeftDegree of protection (IP)IP67Output typeTransistorShapeRectangularOverall length of sensor88 mmHeight of sensor13 mmWidth of sensor25 mmSwitch without actuator

ETIM for 231371 Sensors (EC002592)

Feature Name

Feature Value

Explosion safety category for dust (EF003998)

None

Construction type housing (EF004008)

Special construction

Type of switching contact (EF003591)

Other  
Degree of protection (NEMA) (EF011959)  
Other  
Coating housing (EF001601)  
Other  
Degree of protection (IP) (EF005474)  
IP67  
Type of interface for safety communication (EF003956)  
None  
Type of electric connection (EF003961)  
Connector M12  
Type of interface (EF006977)  
None  
Housing material (EF001596)  
Plastic  
Explosion safety category for gas (EF003997)  
None  
With status indication (EF001602)  
Yes  
Suitable for safety functions (EF001597)  
Yes  
Forced opening (EF006694)  
No  
Number of contacts as change-over contact (EF008257)  
0  
Number of contacts as normally open contact (EF008256)  
1  
Rated operation current  $I_e$  at AC-15, 230 V (EF001385)  
0 A  
Rated operation current  $I_e$  at DC-13, 125 V (EF007085)  
0 A  
Number of safety auxiliary contacts (EF006940)  
0  
Rated operation current  $I_e$  at DC-13, 24 V (EF007087)  
0.2 A  
Rated operation current  $I_e$  at DC-13, 230 V (EF001386)  
0 A  
Number of conta...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / F3S-TGR-NLPC-20-M1J8 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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