

INDUSTRIAL COMPONENT DATA

1SAZ721201R1033 ABB TF42-3.1 Thermal Overload Relay

Brand: ABB | Manufacturer Part Number: 1SAZ721201R1033



Manufacturer	ABB
MPN / Reference	1SAZ721201R1033
Catalog number	721201
Category	Thermal overload relay
Minimum order	1 Pcs
Document ID	EO-CC224FF2EC
Generated	2026-08-01

Product Overview

TF42-3.1 Thermal Overload Relay

TF42-3.1 RELe TeRM CLASS 10, 2.30-3.10 A

TF42-3.1 Thermal Overload Relay 2.3 ... 3.1 A

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path ABB > Contactors and overload relays > Thermal Relays

Additional Product Information

Ordering

Minimum Order Quantity 1 piece

Customs Tariff Number 85364900

Popular Downloads

Data Sheet, Technical Information 2CDC106023D0201

Instructions and Manuals 2CDC106022M6802

Instructions and Manuals (Part 2) 1SAC200017M0002

Ex Operating Instructions 2CDC106076M6801

Time-Current Characteristic Curve 1SAZ700506F0012

CAD Dimensional Drawing 2CDC001079B0201

Dimension Diagram 1SAZ700405F0001

Dimensions

Product Net Width 45 mm

Product Net Height 88.3 mm

Product Net Depth / Length 70.5 mm

Product Net Weight 0.13 kg

Technical

Setting Range 2.3 ... 3.1 A

Rated Operational Voltage Auxiliary Circuit 600 V AC/DC

Main Circuit 690 V AC

Main Circuit 600 V DC

Rated Operational Current (Ie) 3.1 A

Rated Frequency (f) Auxiliary Circuit 50 Hz

Auxiliary Circuit 60 Hz

Auxiliary Circuit DC

Main Circuit 50 Hz

Main Circuit 60 Hz

Rated Impulse Withstand Voltage (Uimp) Auxiliary Circuit 6 kV

Main Circuit 6 kV

Rated Insulation Voltage (Ui) 690 V

Number of Poles 3P

Number of Auxiliary Contacts NC 1

Number of Auxiliary Contacts NO 1

Number of Protected Poles 3

Conventional Free-air Thermal Current (Ith) Auxiliary Circuit NC 6 A

Auxiliary Circuit NO 4 A

Rated Operational Current AC-15 (Ie) (120 V) NC 3 A

(120 V) NO 0.5 A

(240 V) NC 3 A

(240 V) NO 0.5 A

(400 V) NC 0.75 A

(400 V) NO 0.5 A

(500 V) NC 0.75 A

(500 V) NO 0.5 A

Rated Operational Current DC-13 (Ie) (125 V) NC 0.55 A

(125 V) NO 0.55 A

(24 V) NC 1.25 A

(24 V) NO 1.25 A

(250 V) NC 0.27 A

(250 V) NO 0.27 A

(500 V) NC 0.15 A

(500 V) NO 0.15 A

(6...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SAZ721201R1033 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.