

INDUSTRIAL COMPONENT DATA

3RF2020-1AA22 SIEMENS Semiconductor relay, 1-phase 3RF2 Width 45 mm, 20 A 24-230 V / 110-230 V AC screw term..

Brand: SIEMENS | Manufacturer Part Number: 3RF2020-1AA22



Manufacturer	SIEMENS
MPN / Reference	3RF2020-1AA22
Catalog number	20201
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-C346F672B6
Generated	2026-08-03

Product Overview

Semiconductor relay, 1-phase 3RF2 Width 45 mm, 20 A 24-230 V / 110-230 V AC screw terminal

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path SIEMENS > CONTROL AND CONTACTORS > Contactors for switching motors

Additional Product Information

Technical data

Semiconductor relay, 1-phase 3RF2 Width 45 mm, 20 A 24-230 V / 110-230 V AC screw terminal

product brand name SIRIUS

product designation solid-state relay

design of the product single-phase

product type designation 3RF20

General technical data

product function zero-point switching

power loss [W] for rated value of the current without load current share typical 3.5 W

insulation voltage rated value 600 V

type of voltage of the control supply voltage AC

shock resistance according to IEC 60068-2-27 15g / 11 ms

vibration resistance according to IEC 60068-2-6 2g

reference code according to IEC 81346-2 Q

Substance Prohibitance (Date) 05/28/2009

Main circuit

number of poles for main current circuit 1

number of NO contacts for main contacts 1

number of NC contacts for main contacts 0

operating voltage at AC

? at 50 Hz rated value 24 ... 230 V

? at 60 Hz rated value 24 ... 230 V

operating frequency rated value 50 ... 60 Hz

relative symmetrical tolerance of the operating frequency 10 %

operating range relative to the operating voltage at AC

? at 50 Hz 20 ... 253 V

? at 60 Hz 20 ... 253 V

operational current

? at AC-51 rated value 20 A

? according to UL 508 rated value 20 A

ampacity maximum 20 A

operational current minimum 100 mA

rate of voltage rise at the thyristor for main contacts maximum permissible 500 V/μs

blocking voltage at the thyristor for main contacts maximum permissible 800 V

reverse current of the thyristor 10 mA

derating temperature 40 °C

surge current res...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 3RF2020-1AA22 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.