

**INDUSTRIAL COMPONENT DATA**

# 3RT2045-1AD20 SIEMENS power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 42 V AC, 50/60 Hz 3-pole, 3 NO,..

Brand: SIEMENS | Manufacturer Part Number: 3RT2045-1AD20



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | SIEMENS                       |
| MPN / Reference | 3RT2045-1AD20                 |
| Catalog number  | 20451                         |
| Category        | Power contactor, AC switching |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-8BB4F5964D                 |
| Generated       | 2026-08-06                    |

## Product Overview

power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 42 V AC, 50/60 Hz 3-pole, 3 NO, Size S3 screw terminal CONTACTOR, AC3: 37KW/400V, 1NO+1NC, 42V AC 50/60HZ, 3-POLE, 3NO, SIZE: S3, SCREW TERMINALS. Manufactured to order. Non-Cancelable Non-Returnable.

**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**

power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 42 V AC, 50/60 Hz 3-pole, 3 NO, Size S3 screw terminal

product brand name SIRIUS

product designation Power contactor

product type designation 3RT2

General technical data

size of contactor S3

product extension

? function module for communication No

? auxiliary switch Yes

power loss [W] for rated value of the current

? at AC in hot operating state 15.9 W

? at AC in hot operating state per pole 5.3 W

? without load current share typical 25 W

insulation voltage

? of main circuit with degree of pollution 3 rated value 1 000 V

? of auxiliary circuit with degree of pollution 3 rated value 690 V

surge voltage resistance

? of main circuit rated value 8 kV

? of auxiliary circuit rated value 6 kV

maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 690 V

shock resistance at rectangular impulse

? at AC 6.7 g / 5 ms, 4.0 g / 10 ms

shock resistance with sine pulse

? at AC 10.6 g / 5 ms, 6.3 g / 10 ms

mechanical service life (switching cycles)

? of contactor typical 10 000 000

? of the contactor with added electronically optimized auxiliary switch block typical 5 000 000

? of the contactor with added auxiliary switch block typical 10 000 000

reference code according to IEC 81346-2 Q

Substance Prohibitance (Date) 03/01/2017

Ambient conditions

installation altitude at height above sea level maximum 2 000 m

ambient temperature

? during operation -25 ... +60 °C

? during storag...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 3RT2045-1AD20 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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