

INDUSTRIAL COMPONENT DATA

3RT2045-1AD24 SIEMENS power contactor, AC-3 80 A, 37 kW / 400 V 2 NO + 2 NC, 42 V AC, 50 Hz 3-pole, 3 NO, Si..

Brand: SIEMENS | Manufacturer Part Number: 3RT2045-1AD24



Manufacturer	SIEMENS
MPN / Reference	3RT2045-1AD24
Catalog number	20451
Category	Power contactor, AC switching
Minimum order	1 Pcs
Document ID	EO-C195A2560E
Generated	2026-08-05

Product Overview

power contactor, AC-3 80 A, 37 kW / 400 V 2 NO + 2 NC, 42 V AC, 50 Hz 3-pole, 3 NO, Size S3 screw terminal
 CONTACTOR, AC3: 37KW/400V, 2NO+2NC, 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 2 NO + 2 NC, 42 V AC, 50 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 storage -...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 3RT2045-1AD24 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.