

INDUSTRIAL COMPONENT DATA

5SV4644-0 SIEMENS Residual current operated circuit breaker, 4-pole, Type AC, In: 40 A, 300 mA, Un AC: 400 V

Brand: SIEMENS | Manufacturer Part Number: 5SV4644-0



Manufacturer	SIEMENS
MPN / Reference	5SV4644-0
Catalog number	46440
Category	Residual current circuit breaker (RCCB)
Minimum order	1 Pcs
Document ID	EO-2F08B0A8D6
Generated	2026-08-04

Product Overview

Residual current operated circuit breaker, 4-pole, Type AC, In: 40 A, 300 mA, Un AC: 400 V

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path	SIEMENS > POWER DISTRIBUTION AND LOW VOLTAGE SWITCHGEAR > Tertiary differential switches up to 80
--------------	---

Additional Product Information

Technical data

Residual current operated circuit breaker, 4-pole, Type AC, In: 40 A, 300 mA, Un AC: 400 V

Model

product brand name SENTRON

product designation RCCB

design of the product Instantaneous

General technical data

number of poles 4

size of installation devices / according to DIN 43880 1

mechanical service life (switching cycles) / typical 10 000

short-circuit current / of series fuse / maximum permissible 80 A

short-circuit current rating 10 kA

switching function / short-term delayed No

overvoltage category III

Supply voltage

supply voltage / for testing equipment / minimum 100 V

value range / of the supply voltage frequency 50 Hz

value range / of the operating frequency 50 Hz

value range / of the supply voltage / at AC 230/400 V

Protection class

protection class IP IP20, if the distribution board is installed, with connected conductors

Switching capacity

switching capacity current

? according to IEC 61008-1 / rated value 0.8 kA

Dissipation

power loss [W]

? for rated value of the current / at AC / in hot operating state / per pole 2 W

? maximum 6 W

Current

tripping fault current / rated value 300 mA

operational current

? at 40 °C / rated value 40 A

? at 45 °C / rated value 38.1 A

? at 50 °C / rated value 35.59 A

? at 55 °C / rated value 32.29 A

? at 60 °C / rated value 28.19 A

? at 65 °C / rated value 23.3 A

? at 70 °C / rated value 17.6 A

? at AC / rated value 40 A

residual current type AC

let-through current / permissible 5 200 A

I2t value / permissible 58 000 A²...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 5SV4644-0 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.