

INDUSTRIAL COMPONENT DATA

5SY5450-6 SIEMENS Circuit breaker Universal current 880 V DC 400 V AC 10kA, 4-pole, B, 50 A max. 1000 V DC

Brand: SIEMENS | Manufacturer Part Number: 5SY5450-6



Manufacturer	SIEMENS
MPN / Reference	5SY5450-6
Catalog number	54506
Category	Miniature circuit breaker (MCB)
Minimum order	1 Pcs
Document ID	EO-7D93A26EB1
Generated	2026-08-06

Product Overview

Circuit breaker Universal current 880 V DC 400 V AC 10kA, 4-pole, B, 50 A max. 1000 V DC
Universal circuit breaker AC-DC 880V DC; 400V AC 10KA, 4POLO, B, 50A MAX. DC 1000V. 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 > POWER DISTRIBUTION AND LOW VOLTAGE SWITCHGEAR > Industrial circuit breakers from 6 kA

Additional Product Information

Technical data

Circuit breaker Universal current 880 V DC 400 V AC 10kA, 4-pole, B, 50 A max. 1000 V DC

Model

product brand name SENTRON

product designation Miniature circuit breaker

General technical data

number of poles 4

design of pole 4P

tripping characteristic class B

mechanical service life (switching cycles) / typical 5 000

overvoltage category II

degree of pollution 2

Voltage

type of voltage / of the operating voltage AC/DC

insulation voltage (Ui)

? at DC / rated value 250 V

? with single-phase operation / at AC / rated value 440 V

? with multi-phase operation / at AC / rated value 440 V

Supply voltage

supply voltage

? at AC / rated value 400 V

? at DC / rated value 880 V

value range / of the supply voltage frequency 50/60 Hz

operating voltage / at DC / rated value / maximum 1 000 V

Protection class

protection class IP IP20, with connected conductors

Switching capacity

switching capacity current

? at DC / according to IEC 60947-2 / rated value 15 kA

? according to EN 60898 / rated value 10 kA

energy limitation class 3

Dissipation

power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 4.3 W

Current

operational current

? at 35 °C / rated value 50 A

? at 40 °C / rated value 48 A

? at 45 °C / rated value 47 A

? at 50 °C / rated value 45.95 A

? at 55 °C / rated value 44.9 A

? at 60 °C / rated value 43.8 A

? at AC / rated value 50 A

suitability for operation universal current

Product details

product component / neutral conductor switchi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 5SY5450-6 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.