

INDUSTRIAL COMPONENT DATA

5SM3745-6 SIEMENS Residual current operated circuit breaker, 4-pole, type A, In: 125 A, 500 mA, Un AC: 400 V

Brand: SIEMENS | Manufacturer Part Number: 5SM3745-6



Manufacturer	SIEMENS
MPN / Reference	5SM3745-6
Catalog number	37456
Category	Residual current circuit breaker (RCCB)
Minimum order	1 Pcs
Document ID	EO-2410DA3AD0
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Product Overview

Residual current operated circuit breaker, 4-pole, type A, In: 125 A, 500 mA, Un AC: 400 V

Differential switch, 70mm, class A, 4 mode, 4 poles, 125A, 500mA. Cancellations and returns limited. Consult conditions.

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 differential switches from 8
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Additional Product Information

Technical data

Residual current operated circuit breaker, 4-pole, type A, In: 125 A, 500 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 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 400 V

Protection class

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

Switching capacity

switching capacity current

? according to EN 60898 / rated value 1.25 kA

? according to IEC 61008-1 / rated value 1.25 kA

Dissipation

power loss [W]

? for rated value of the current / at AC / in hot operating state / per pole 8.9 W

? maximum 26.7 W

Current

tripping fault current / rated value 500 mA

operational current

? at 40 °C / rated value 125 A

? at 45 °C / rated value 125 A

? at 50 °C / rated value 120 A

? at 55 °C / rated value 115 A

? at 60 °C / rated value 110 A

? at 65 °C / rated value 105 A

? at 70 °C / rated value 100 A

? at AC / rated value 125 A

residual current type A

let-through current / permissible 8 000 A

I_{2t} value / permissible 94 000 A²·s

surge current resistance...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 5SM3745-6 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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