

Residual current operated circuit breaker, 2-pole, type B+, short-time delayed, In: 16 A, 300 mA, Un AC: 230 V



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Short-time delayed
General technical data	
Number of poles	2
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current rating	10 kA
circuit-breaker / Design	5SM3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	Yes
Overvoltage category	III
Supply voltage	
Supply voltage	
<ul style="list-style-type: none"> at AC / rated value for testing equipment / minimum 	230 V 195 V
Supply voltage frequency	

- rated value

50 Hz

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

0.4 W

Electricity

Tripping residual current / rated value

300 mA

Tripping residual / rated value / derated current

- at 40 Cel 16 A
- at 45 Cel 16 A
- at 50 Cel 15.36 A
- at 55 Cel 14.72 A
- at 60 Cel 14.08 A
- at 65 Cel 13.44 A
- at 70 Cel 12.8 A

Type of fault current

B+

Current / at AC / rated value

16 A

I²t-value / permissible70 000 A²·s

Surge current resistance / rated value

3 kA

Operating frequency

50/60Hz

Product details

Product feature / silicon-free

Yes

Product extension / can be installed / supplementary devices

Yes

Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30

28

Connections

Connectable conductor cross-section / stranded

- minimum 1.5 mm²
- maximum 25 mm²

Connectable conductor cross-section / solid

- minimum 1.5 mm²
- maximum 25 mm²

Tightening torque / with screw-type terminals

<ul style="list-style-type: none"> • minimum 	2.5 N·m
<ul style="list-style-type: none"> • maximum 	3 N·m
Position / of power supply cord	Top or bottom (bottom for SIGRES function also in switched-off state)

Mechanical Design

Height	90 mm
Width	72 mm
Depth	70 mm
Mounting position	any
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)
Net weight	570 g

Environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • maximum 	45 °C
<ul style="list-style-type: none"> • during storage / minimum permissible 	-40 °C
<ul style="list-style-type: none"> • during storage / maximum permissible 	75 °C

Certificates

Reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	F
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	F

Waste electronic equipment must not be disposed as unsorted municipal waste, e.g. household waste. For disposing the waste electronic equipment it is necessary to observe the current local national/international regulations.



General Product Approval



VDE

[Miscellaneous](#)

Declaration of Conformity



EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM3621-4KK14>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SM3621-4KK14>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3621-4KK14

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

