



RC unit for 5SP4, 4-pole, type AC, In: 100 A, 30 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product variations	for 5SP4
General technical data	
number of poles	4
design of pole	4 poles
size of installation devices according to DIN 43880	1
touch protection against electrical shock according to EN 50274	Finger and back-of-hand safe
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	460 V
surge voltage resistance rated value	4 000 V
tripping fault current rated value	30 mA
operational current	
• at 40 °C rated value	93 A
• at 45 °C rated value	93 A
• at 50 °C rated value	90 A
• at 55 °C rated value	87 A
• at 60 °C rated value	85 A
• at 65 °C rated value	83 A
• at 70 °C rated value	80 A
• at AC rated value	100 A
residual current type	AC
surge current resistance rated value	1 kA
supply voltage	
• at AC rated value	400 V
• for testing equipment minimum	195 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
protection function false tripping	Yes
Dissipation	
power loss [W]	

- for rated value of the current at AC in hot operating state per pole 6 W
- maximum 18 W

#### Product details

- product feature
  - OFF-delay time adjustable No
  - rated fault current adjustable No
  - sealable No

#### Connections

- connectable conductor cross-section solid
  - minimum 6 mm<sup>2</sup>
  - maximum 50 mm<sup>2</sup>
- connectable conductor cross-section stranded
  - minimum 6 mm<sup>2</sup>
  - maximum 50 mm<sup>2</sup>
- tightening torque with screw-type terminals
  - minimum 2.5 N·m
  - maximum 3 N·m
- position of power supply cord top or bottom

#### Mechanical Design

- height 90 mm
- width 124 mm
- depth 70 mm
- installation depth 70 mm
- number of modular width units 5
- fastening method REG
- mounting position any
- net weight 897 g

#### Environmental conditions

- ambient temperature during operation
  - minimum -25 °C
  - maximum 45 °C
- ambient temperature during storage
  - minimum -40 °C
  - maximum 75 °C
- number of test cycles for environmental testing according to IEC 60068-2-30 28

#### Certificates

- reference code according to IEC 81346-2 F

#### Approvals Certificates

##### General Product Approval



EG-Konf.

[Confirmation](#)



CCC



VDE

[Miscellaneous](#)

General Product Approval

other

Dangerous Good

Environment



[Miscellaneous](#)

[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)

#### Further information

Siemens has decided to exit the Russian market (see here).  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SM2347-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2347-0>

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

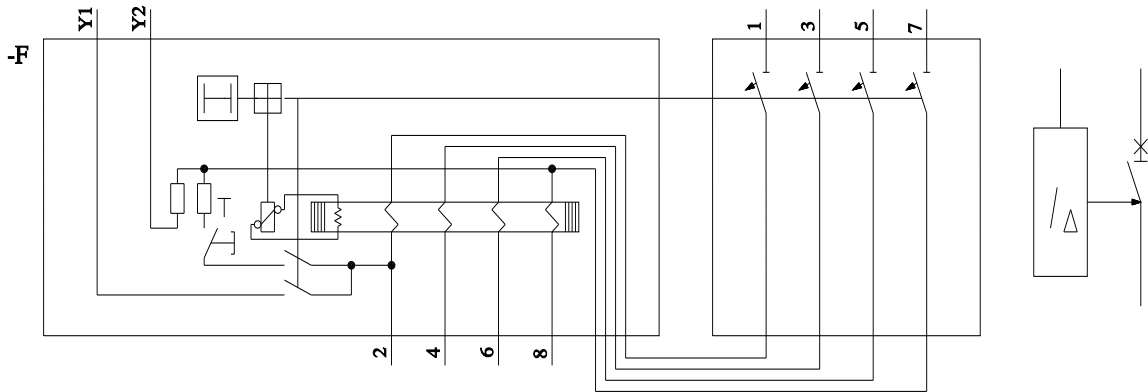
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2347-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2347-0)

CAx-Online-Generator

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

Tender specifications

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



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