



Figure similar

RC unit for 5SY, 2-pole, type AC, In: 40 A, 300 mA, Un AC: 230 V

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product variations	for 5SY
General technical data	
number of poles	2
design of pole	2 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	300 mA
operational current	
• at 40 °C rated value	37.2 A
• at 45 °C rated value	37.2 A
• at 50 °C rated value	36 A
• at 55 °C rated value	34.8 A
• at 60 °C rated value	34 A
• at 65 °C rated value	33.2 A
• at 70 °C rated value	32 A
• at AC rated value	40 A
residual current type	AC
supply voltage	
• at AC	230 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 1.9 W
- maximum 3.8 W

#### Product details

##### product feature

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

#### Connections

- connectable conductor cross-section solid
  - minimum 1.5 mm<sup>2</sup>
  - maximum 25 mm<sup>2</sup>
- connectable conductor cross-section stranded
  - minimum 1.5 mm<sup>2</sup>
  - maximum 25 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 71 mm
- depth 70 mm
- installation depth 70 mm
- number of modular width units 2
- fastening method REG
- mounting position any
- net weight 195 g

#### Environmental conditions

- ambient temperature during operation
  - minimum -5 °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



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General Product Approval

other

Dangerous goods

Environment



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[Environmental Confirmations](#)

#### Further information

##### Information on the packaging

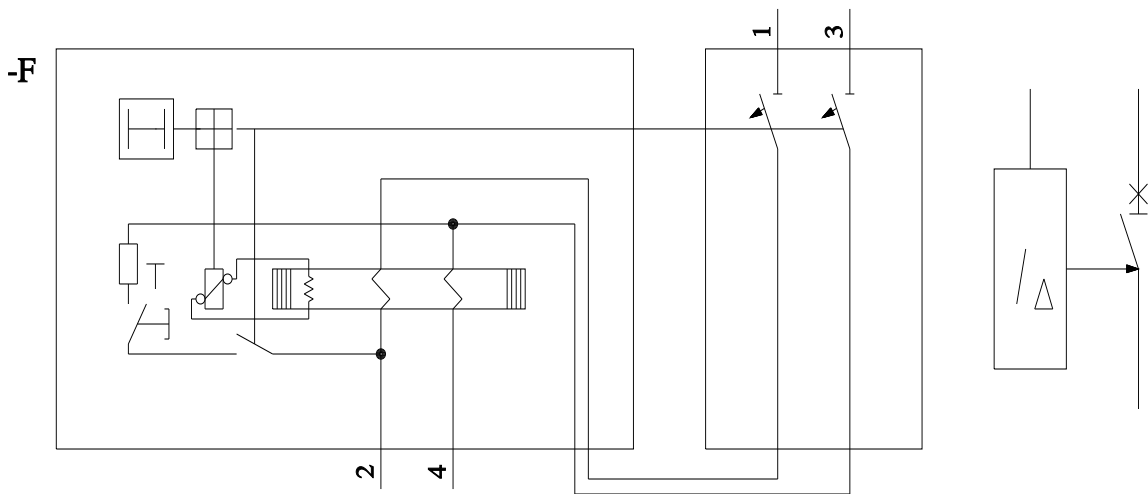
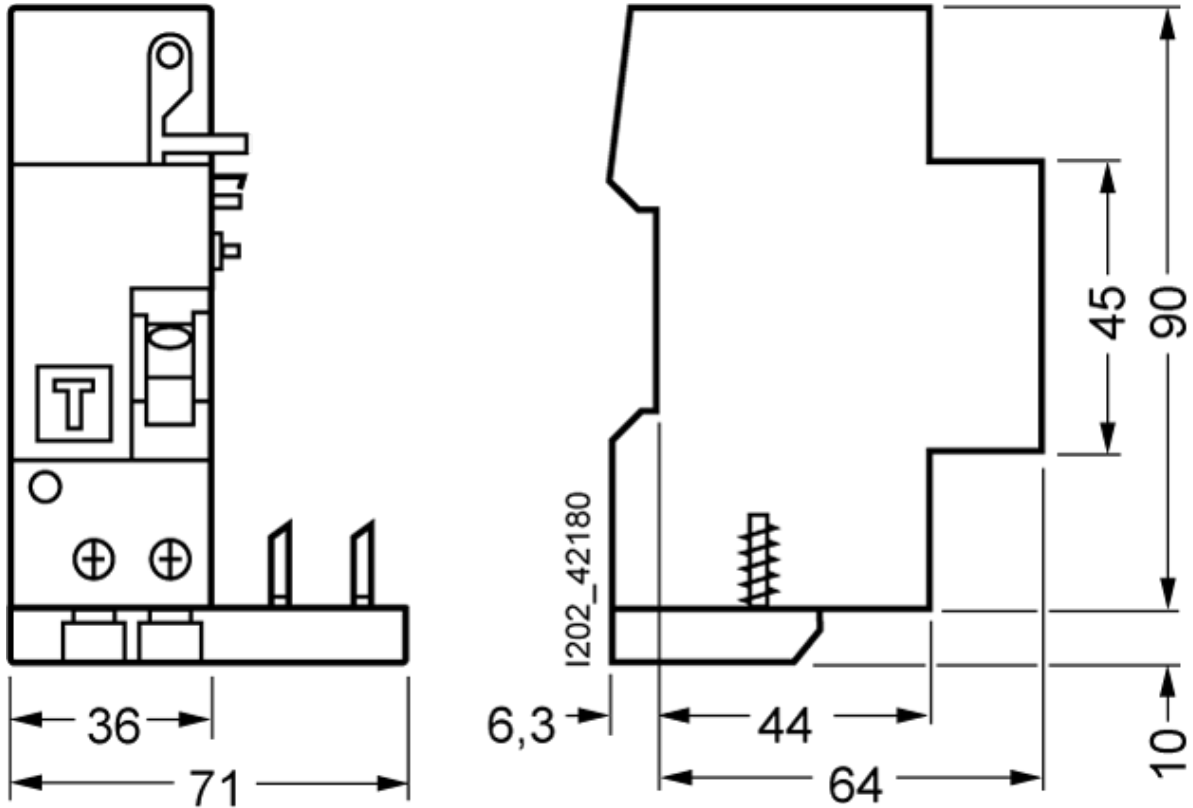
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### 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?mifb=5SM2622-0>



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