



RC unit for 5SL4, 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 5SL4
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 rated value	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	1.9 W

per pole

- maximum

3.8 W

#### Product details

product feature

- OFF-delay time adjustable
- rated fault current adjustable
- sealable

No  
No  
No

#### Connections

connectable conductor cross-section solid

- minimum
- maximum

1.5 mm<sup>2</sup>  
25 mm<sup>2</sup>

connectable conductor cross-section stranded

- minimum
- maximum

1.5 mm<sup>2</sup>  
25 mm<sup>2</sup>

tightening torque with screw-type terminals

- minimum
- maximum

2.5 N·m  
3 N·m

position of power supply cord

top or bottom

#### Mechanical Design

height

90 mm

width

70 mm

depth

70 mm

installation depth

70 mm

number of modular width units

2

fastening method

REG

mounting position

any

net weight

210 g

#### Environmental conditions

ambient temperature during operation

- minimum
- maximum

-5 °C  
45 °C

ambient temperature during storage

- minimum
- maximum

-40 °C  
75 °C

number of test cycles for environmental testing according to IEC 60068-2-30

28

#### Approvals Certificates

##### General Product Approval

[Confirmation](#)



[Miscellaneous](#)

General Product Approval	other	Dangerous Good	Environment
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[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=5SM2623-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2623-0>

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

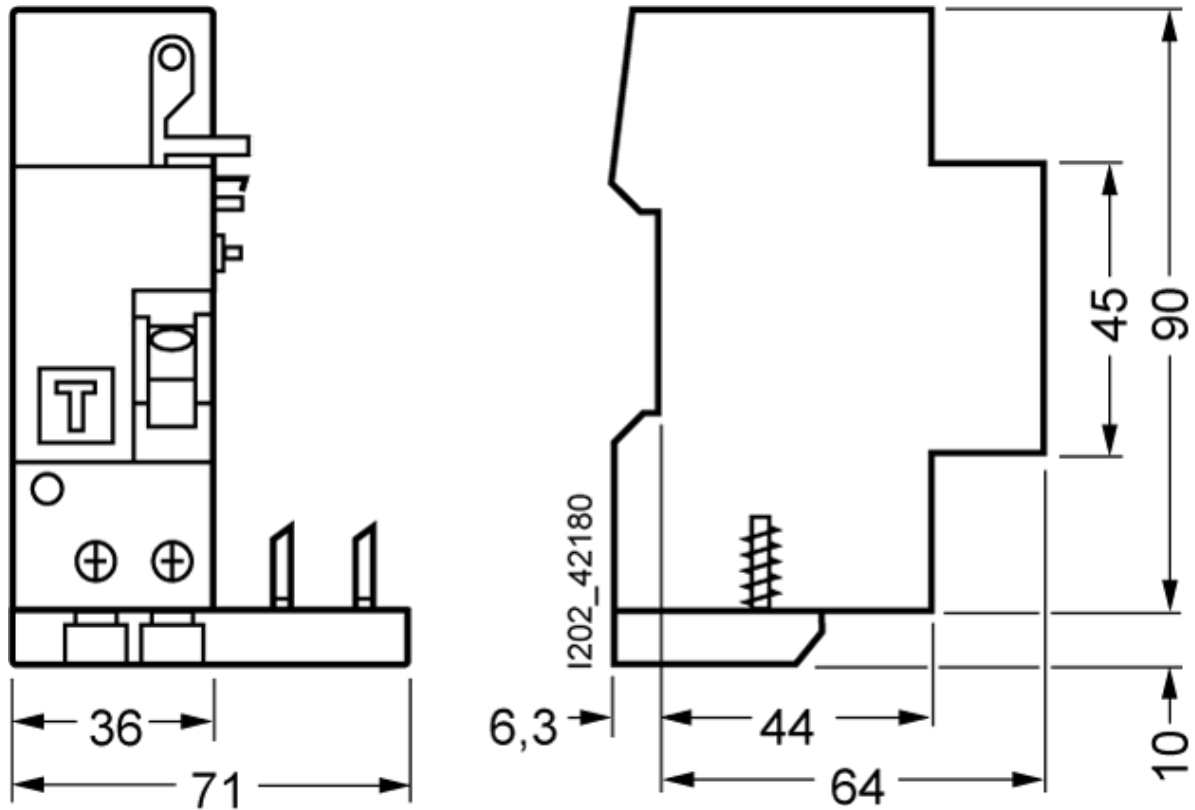
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2623-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2623-0)

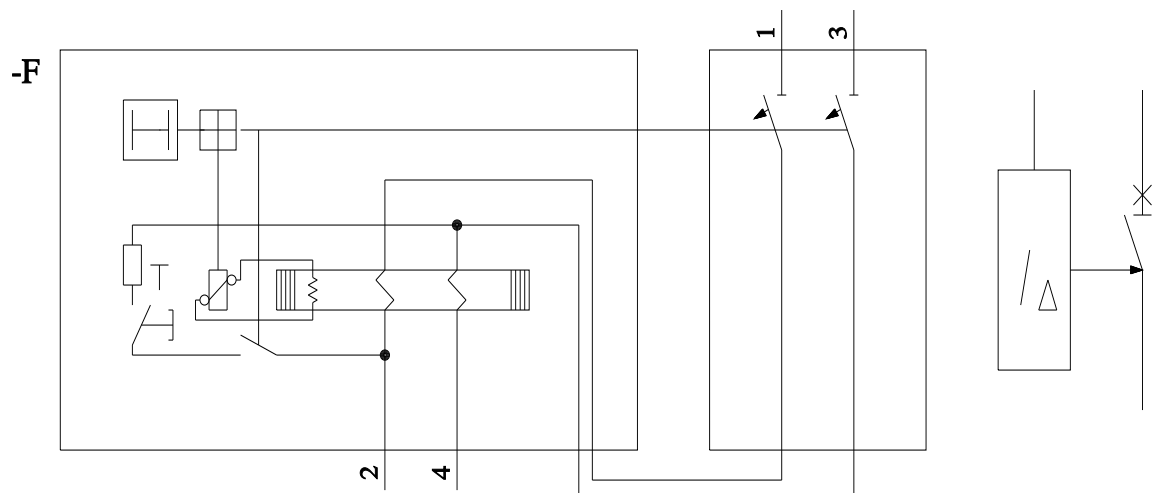
CAX-Online-Generator

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

Tender specifications

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





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