



Figure similar

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

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Selective
product type designation	5SM2
product version	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
<ul style="list-style-type: none"> <li>• operational current                             <ul style="list-style-type: none"> <li>— at 40 °C rated value</li> <li>— at 45 °C rated value</li> <li>— at 50 °C rated value</li> <li>— at 55 °C rated value</li> <li>— at 60 °C rated value</li> <li>— at 65 °C rated value</li> <li>— at 70 °C rated value</li> </ul> </li> <li>• operational current at AC rated value</li> </ul>	<ul style="list-style-type: none"> <li>37.2 A</li> <li>37.2 A</li> <li>36 A</li> <li>34.8 A</li> <li>34 A</li> <li>33.2 A</li> <li>32 A</li> <li>40 A</li> </ul>
residual current type	A
surge current resistance rated value	5 kA
supply voltage <ul style="list-style-type: none"> <li>• at AC</li> <li>• for testing equipment minimum</li> </ul>	<ul style="list-style-type: none"> <li>230 V</li> <li>195 V</li> </ul>
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50/60 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]	
<ul style="list-style-type: none"> <li>for rated value of the current at AC in hot operating state per pole</li> </ul>	1.9 W
<ul style="list-style-type: none"> <li>maximum</li> </ul>	3.8 W

### Product details

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

### Connections

connectable conductor cross-section solid	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>maximum</li> </ul>	25 mm <sup>2</sup>
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>maximum</li> </ul>	25 mm <sup>2</sup>
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	2.5 N·m
<ul style="list-style-type: none"> <li>maximum</li> </ul>	3 N·m
position of power supply cord	top or bottom

### Mechanical Design

height	90 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail
mounting position	any
Net Weight	188 g

### Environmental conditions

ambient temperature during operation	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>maximum</li> </ul>	45 °C
ambient temperature during storage	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>maximum</li> </ul>	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
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### Approvals Certificates

Environment	General Product Approval
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[Environmental Confirmations](#)

[Environmental Confirmations](#)



[Miscellaneous](#)

[Miscellaneous](#)

### General Product Approval



### Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2622-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2622-8>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2622-8](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2622-8)

CAX-Online-Generator

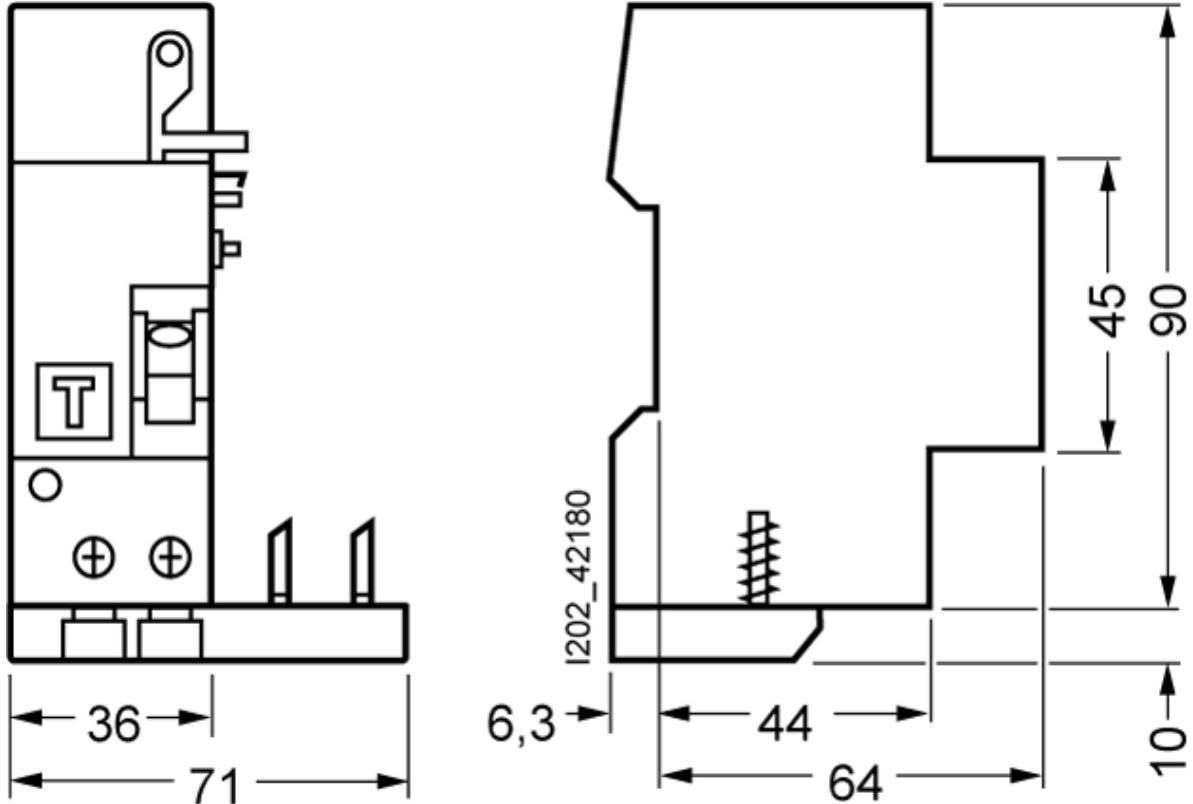
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)





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