



Figure similar

RC unit for 5SY, 2-pole, type A, selective, In: 40 A, 1000 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	1 000 mA
<ul style="list-style-type: none"> <li>operational current at AC rated value</li> </ul>	40 A
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>	230 V 195 V
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> <li>maximum</li> </ul>	1.9 W 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	
• 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	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail
mounting position	any
Net Weight	201 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
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#### Approvals Certificates

Environment	General Product Approval
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firmations](#)

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#### 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=5SM2822-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2822-8>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2822-8](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2822-8)





