



RC unit for 5SP4, 2-pole, type A, selective, In: 100 A, 1000 mA, Un AC: 230 V

Figure similar

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Selective
product type designation	5SM2
product version	for 5SP4
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>	100 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> </ul>	5 W
Product details	
product feature OFF-delay time adjustable	No

product feature rated fault current adjustable	No
product feature sealable	No
<b>Connections</b>	
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

<b>Mechanical Design</b>	
height	90 mm
width	72 mm
depth	70 mm
installation depth	70 mm
number of modular width units	4
fastening method	DIN rail
mounting position	any
Net Weight	478 g

<b>Environmental conditions</b>	
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

<b>Certificates</b>	
reference code according to IEC 81346-2	F

**Approvals Certificates**

Environment	General Product Approval
<a href="#">Environmental Confirmations</a>	<a href="#">Environmental Confirmations</a>
	
<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>

General Product Approval	other	Dangerous goods
		
	<a href="#">Confirmation</a>	<a href="#">Transport Information</a>

**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=5SM2827-8>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SM2827-8>  
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2827-8](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2827-8)  
CAx-Online-Generator

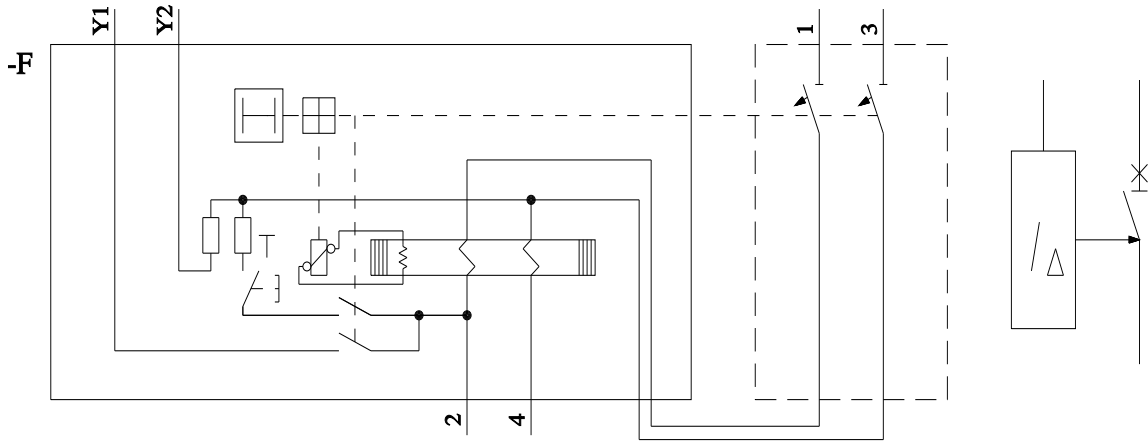
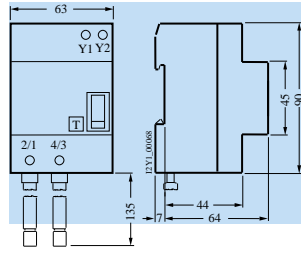
<https://www.siemens.com/cax>

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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