








Figure similar

RC unit for 5SP4, 2-pole, type A, selective, In: 100 A, 300 mA, Un AC: 230 V

Model	
product brand name	SETRON
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	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>93 A</li> <li>93 A</li> <li>90 A</li> <li>87 A</li> <li>85 A</li> <li>83 A</li> <li>80 A</li> <li>100 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	
<b>Dissipation</b>		
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	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	10 W	
<b>Product details</b>		
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		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	6 mm <sup>2</sup>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	50 mm <sup>2</sup>	
connectable conductor cross-section stranded		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	6 mm <sup>2</sup>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	50 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	
<b>Mechanical Design</b>		
height	90 mm	
width	71 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	4	
fastening method	DIN rail	
mounting position	any	
Net Weight	468 g	
<b>Environmental conditions</b>		
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	
<b>Certificates</b>		
reference code according to IEC 81346-2	F	
<b>Approvals Certificates</b>		
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>
<b>Further information</b>		
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=5SM2627-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2627-8>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2627-8](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2627-8)

CAX-Online-Generator

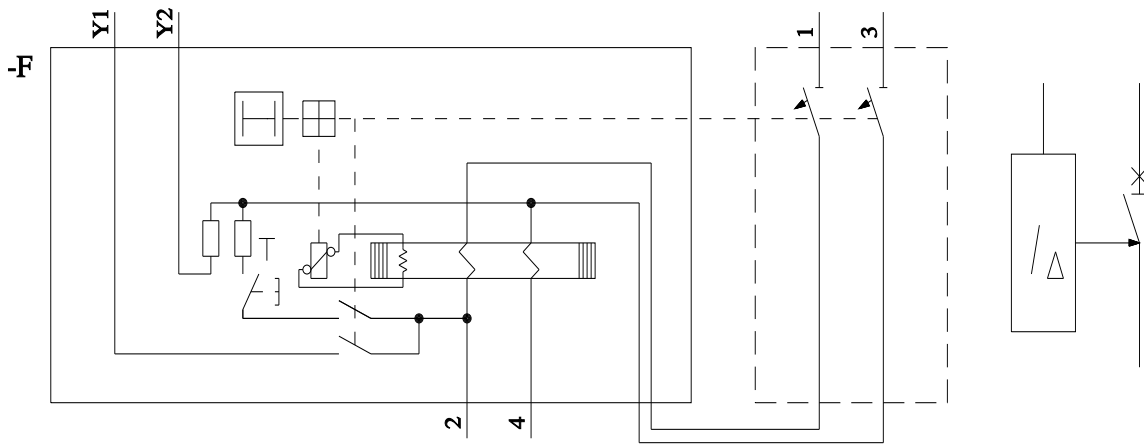
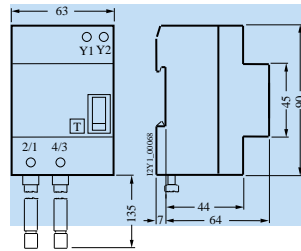
<https://www.siemens.com/cax>

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>)



last modified:

4/12/2025

