



Figure similar

RC unit for 5SY, 2-pole, type A, In: 63 A, 100 mA, Un AC: 230 V

Model	
product brand name	SETRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product variations	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	100 mA
operational current	
• at 40 °C rated value	58.6 A
• at 45 °C rated value	58.59 A
• at 50 °C rated value	56.7 A
• at 55 °C rated value	54.81 A
• at 60 °C rated value	53.55 A
• at 65 °C rated value	52.29 A
• at 70 °C rated value	50.4 A
• at AC rated value	63 A
residual current type	A
surge current resistance rated value	1 kA
supply voltage	
• at AC	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 per pole	3 W
maximum	6 W

Product details

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

Connections

connectable conductor cross-section solid	
minimum	1.5 mm ²
maximum	25 mm ²
connectable conductor cross-section stranded	
minimum	1.5 mm ²
maximum	25 mm ²
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	71 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	REG
mounting position	any
net weight	207 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

General Product Approval



[Confirmation](#)



General Product Approval	other	Dangerous Good	Environment
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[Miscellaneous](#)



[Miscellaneous](#)

[Confirmation](#)

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[Environmental Confirmations](#)

Environment

[Environmental Confirmations](#)

Further information

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=5SM2425-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2425-6>

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

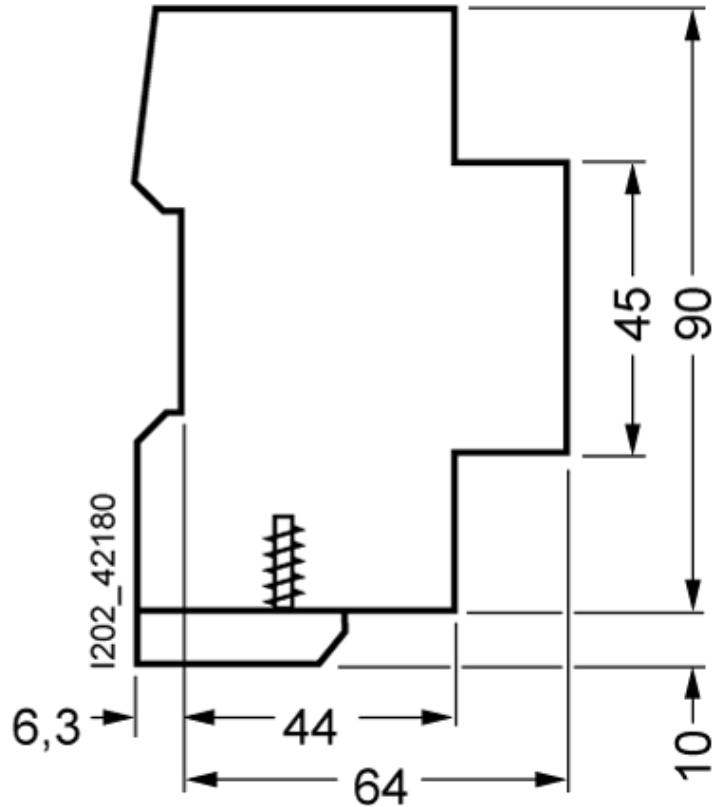
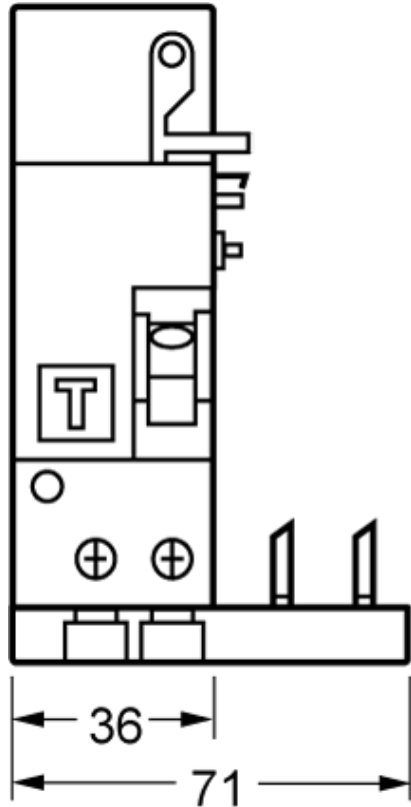
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2425-6

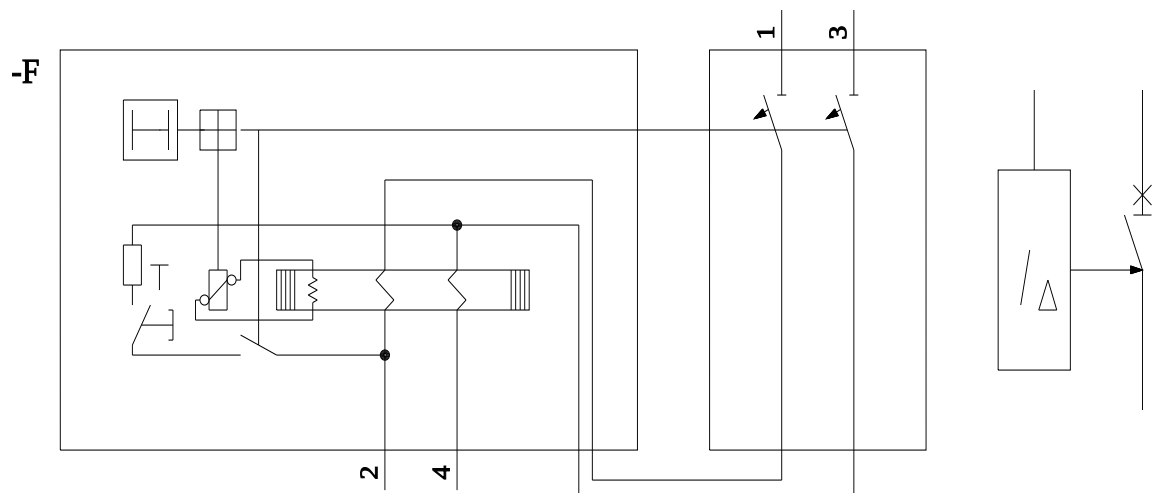
CAX-Online-Generator

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

Tender specifications

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





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