

RC unit for 5SY, 4-pole, type A, selective, In: 63 A, 300 mA, Un AC: 400 V



Figure similar

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Selective
product type designation	5SM2
product variations	for 5SY
General technical data	
number of poles	4
design of pole	4 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
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	5 kA
supply voltage	
• at AC	400 V
• for testing equipment minimum	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"> for rated value of the current at AC in hot operating state per pole 	3 W
<ul style="list-style-type: none"> maximum 	9 W

Product details

product feature	
<ul style="list-style-type: none"> OFF-delay time adjustable 	No
<ul style="list-style-type: none"> rated fault current adjustable 	No
<ul style="list-style-type: none"> sealable 	No

Connections

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

Mechanical Design

height	90 mm
width	124 mm
depth	77 mm
installation depth	70 mm
number of modular width units	3
fastening method	REG
mounting position	any
net weight	319 g

Environmental conditions

ambient temperature during operation	
<ul style="list-style-type: none"> minimum 	-25 °C
<ul style="list-style-type: none"> maximum 	45 °C
ambient temperature during storage	
<ul style="list-style-type: none"> minimum 	-40 °C
<ul style="list-style-type: none"> 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 goods	Environment
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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=5SM2645-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2645-8>

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

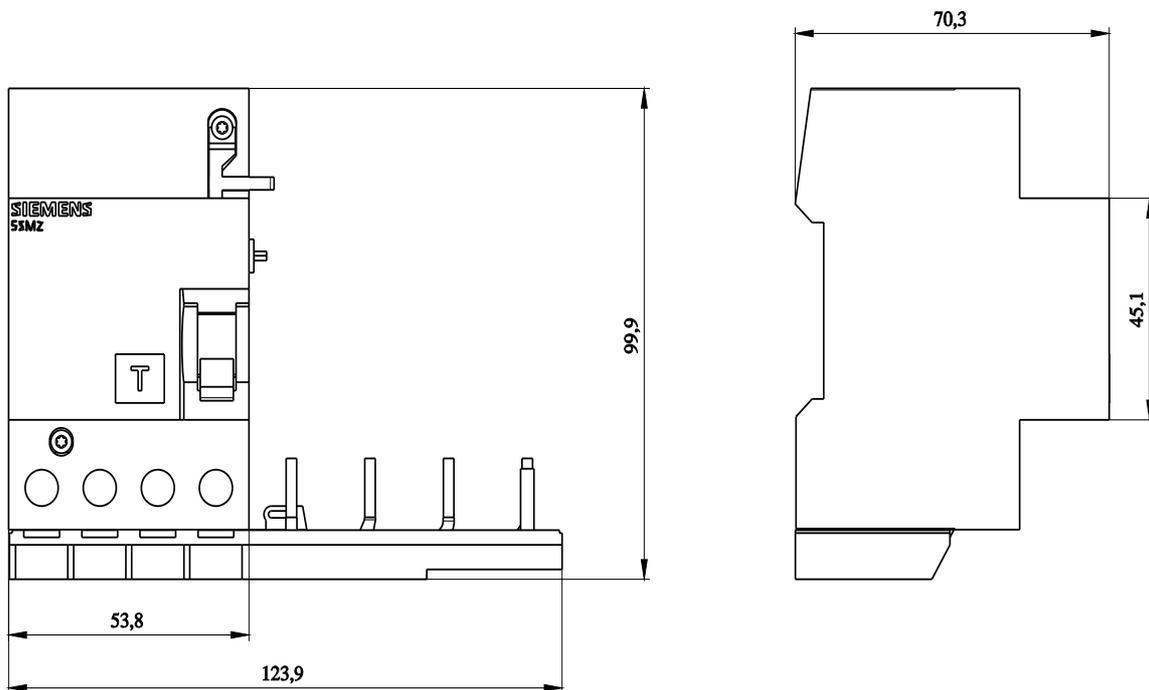
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2645-8

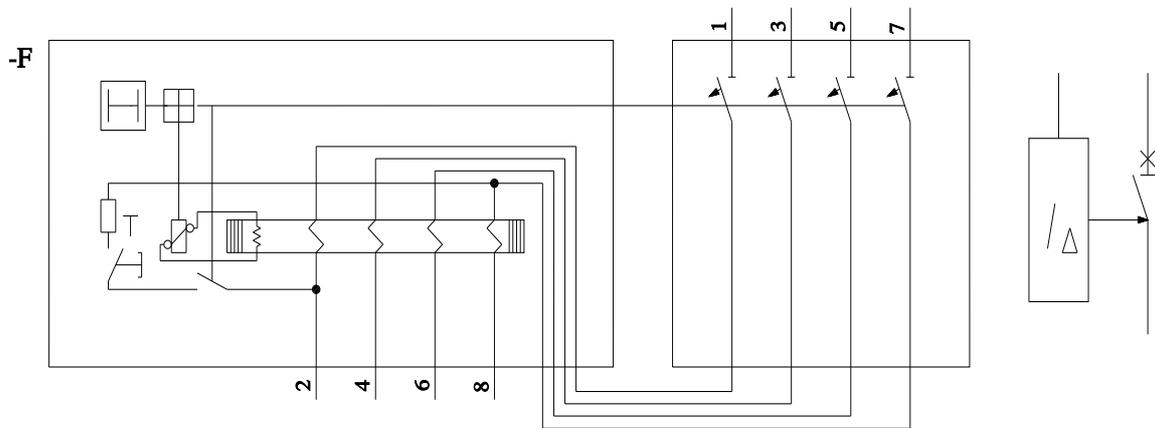
CAX-Online-Generator

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

Tender specifications

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





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