

RC unit for 5SL4, 4-pole, type A, In: 63 A, 300 mA, Un AC: 400 V



Figure similar

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product version	for 5SL4
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
• operational current at AC rated value	63 A
residual current type	A
surge current resistance rated value	1 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 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	9 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 mm²	
maximum	25 mm²	
connectable conductor cross-section stranded		
minimum	1.5 mm²	
maximum	25 mm²	
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	54 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	3	
fastening method	DIN rail	
mounting position	any	
Net Weight	306 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	
Approvals Certificates		
Environment	General Product Approval	
Environmental Confirmations Environmental Confirmations   Miscellaneous 		
General Product Approval	other	Dangerous goods
Confirmation    Confirmation Transport Information		
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=5SM2646-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2646-6>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2646-6

CAX-Online-Generator

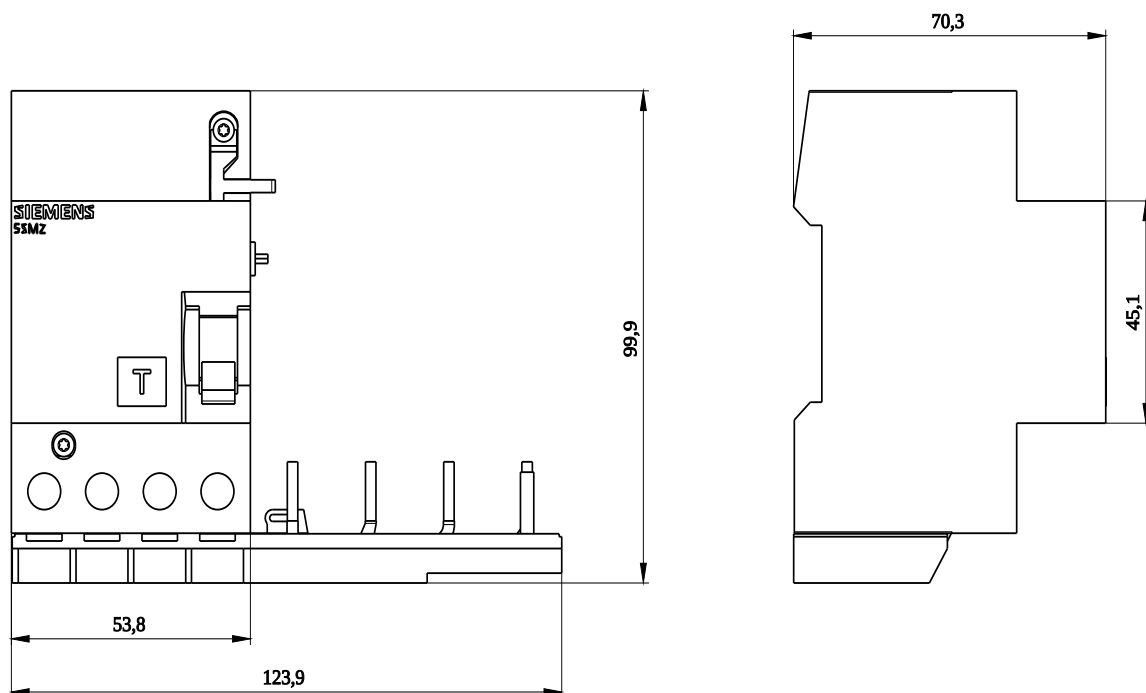
<https://www.siemens.com/cax>

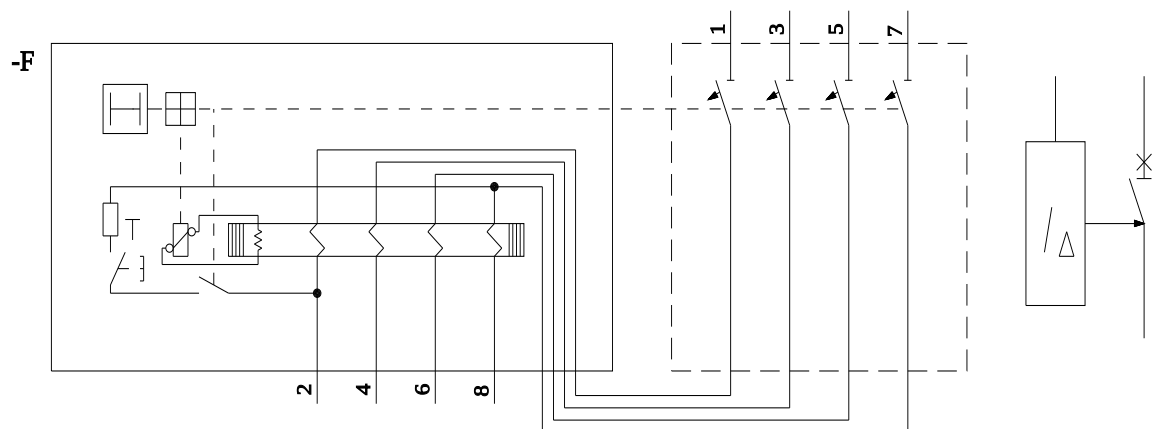
Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>





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