

RC unit, 4-pole, type A, In: 63 A, 500 mA, Un AC: 400 V, selective for 5SL



Model	
product brand name	SETRON
product designation	RCD-unit
product type designation	5SM2
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	500 mA
- operational current - at 40 °C rated value - at 45 °C rated value - at 50 °C rated value - at 55 °C rated value - at 60 °C rated value - at 65 °C rated value - at 70 °C rated value - operational current at AC rated value	58.6 A 58.59 A 56.7 A 54.81 A 53.55 A 52.29 A 50.4 A 63 A
residual current type	A
surge current resistance rated value	5 kA
supply voltage - at AC - for testing equipment minimum	400 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]		
• 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 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	123 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	3	
fastening method	REG	
mounting position	any	
Net Weight	309 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		
General Product Approval	other	Environment

[Confirmation](#)

[Miscellaneous](#)



[Confirmation](#)



[Environmental Confirmations](#)

Environment

[Environmental Confirmations](#)

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=5SM2746-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2746-8>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2746-8

CAX-Online-Generator

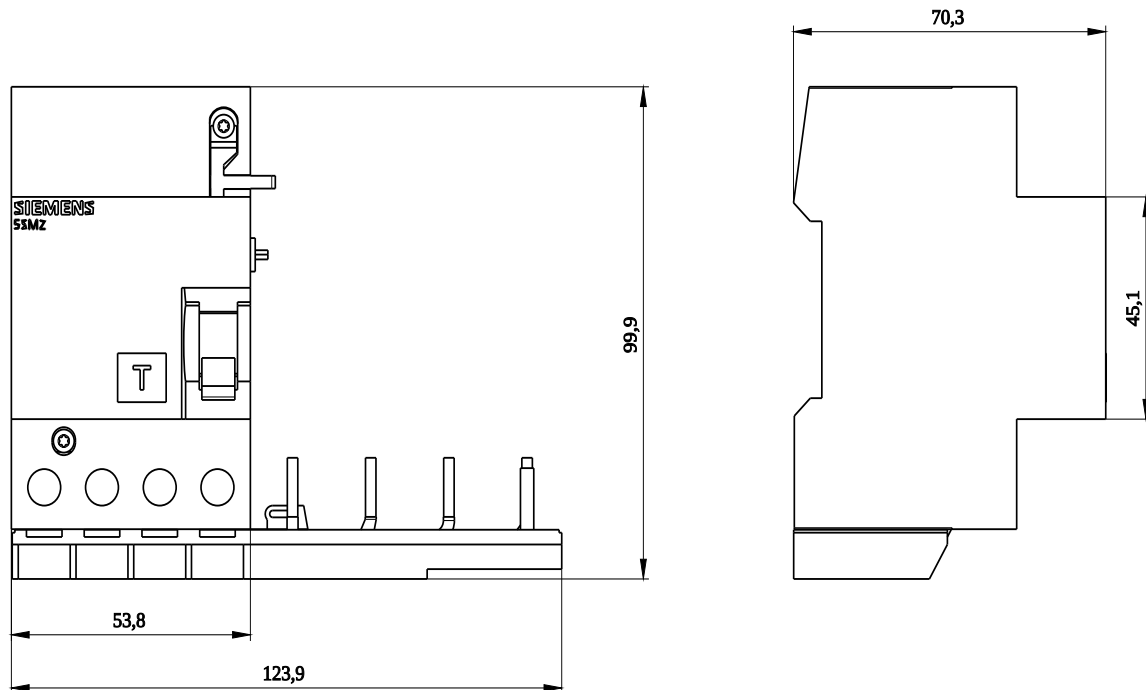
<https://www.siemens.com/cax>

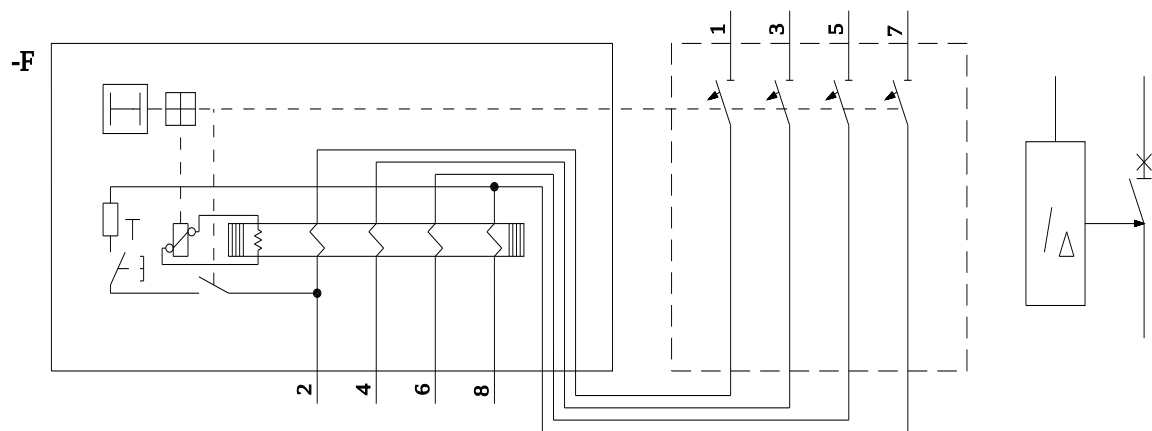
Tender specifications

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

Characteristic curves

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





last modified:

5/26/2025 

