SIEMENS

Data sheet 5SM2622-0



RC unit for 5SY, 2-pole, type AC, In: 40 A, 300 mA, Un AC: 230 V

product designation RCD-unit	Model		
design of the product product type designation product type designation product variations 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 mechanical service life (operating cycles) typical 10 000 vervoltage category III degree of pollution 2 voltage of the operating woltage insulation voltage (UI) rated value 460 V supply voltage resistance rated value 10 400 V supply voltage resistance rated value 230 V 150 V 240 voltage of the supply voltage frequency 50 Hz Protection class IP protection class IP protection function false tripping Protection function false tripping Power loss [VI] 6 or rated value 33 2 A 19 W 19 Poperational current 19 V	product brand name	SENTRON	
product type designation product variations for SSY General technical data number of poles 2 design of pole 3ize of installation devices according to DIN 43880 1 touch protection against electrical shock according to EN 50274 mechanical service life (operating cycles) typical 10 000 overvoitage category III degree of pollution 2 Voltage Type of voltage of the operating voltage insulation voltage (UI) rated value 460 V surge voltage resistance rated value 230 V value range of the supply voltage frequency 50 Hz Value range of the operating frequency 50 Hz Protection class protection class IP protection false tripping power loss [W] • for rated value • maximum 13 8 W tripping fault current rated value 23 7 2 A 24 8 A 25 C rated value 34 A 35 C rated value 34 A	product designation	RCD-unit	
product variations General technical data number of poles design of pole 2 poles size of installation devines 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 Vyotage Type of voltage of the operating voltage AC insulation voltage (UI) rated value 460 V surge voltage resistance rated value 230 V surge voltage resistance rated value 230 V value range of the supply voltage frequency 50 Hz value range of the operating frequency 50 Hz value range of the operating frequency 50 Hz protection class IP protection class IP protection function false tripping Yes Dissipation power loss [W] of or rated value of the current at AC in hot operating state per pole maximum tripping fault current rated value 37.2 A of C rated value 36 A of C rated value 34.8 A	design of the product	instantaneous	
General technical data number of poles 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 overvoltage category degree of pollution 2 Voltage Type of voltage of the operating voltage AC Insulation voltage (U) rated value 460 V surge voltage resistance rated value 4000 V surge voltage esistance rated value 4000 V value range of the supply voltage 4 at AC rated value 5 of testing equipment minimum 495 V value range of the operating frequency 50 Hz Protection class protection class IP protection class IP protection false tripping Dissipation Dissipation Operational current 4 at 40 °C rated value 37.2 A 4 at 55 °C rated value 38.4 A 48.6 4 at 65 °C rated value 39.2 A	product type designation	5SM2	
number of poles	product variations	for 5SY	
design of pole 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 overvoltage category lill degree of pollution 2 Voltage Vyoltage of the operating voltage insulation voltage (UI) rated value 460 V surge voltage resistance rated value 400 V supply voltage • at AC rated value • for testing equipment minimum 195 V value range of the supply voltage frequency 7 Fotection class protection class IP protection flass tripping protection function false tripping power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum 1	General technical data		
size of installation devices according to DIN 43880 1 touch protection against electrical shock according to EN 50274 mechanical service life (operating cycles) typical overvoltage category degree of pollution 2 Voltage type of voltage of the operating voltage insulation voltage (UI) rated value 460 V surge voltage resistance rated value 4000 V supply voltage • at AC rated value • for testing equipment minimum 195 V value range of the operating frequency value range of the operating frequency value range of the operating frequency 50 Hz Protection class IP protection function false tripping Power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value • at 40 °C rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at 65 °C rated value	number of poles	2	
touch protection against electrical shock according to EN 50274 Finger and back-of-hand safe mechanical service life (operating cycles) typical 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 4000 V supply voltage at AC rated value 230 V for testing equipment minimum 195 V value range of the operating frequency 50 Hz Protection class IP protection function false tripping Yes Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole maximum 3.8 W tripping fault current rated value 37.2 A at 40 °C rated value 37.2 A at 45 °C rated value 34.8 A at 65 °C rated value 34.A at 65 °C rated value 34.A at 65 °C rated value 33.2 A	design of pole	2 poles	
mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Vyoltage Type of voltage of the operating voltage AC insulation voltage (Ui) rated value 460 V surge voltage resistance rated value 4000 V supply voltage • at AC rated value 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 fatse tripping Yes Dissipation power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum 3.8 W tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value	size of installation devices according to DIN 43880	1	
overvoltage category degree of pollution 2 Voltage type of voltage of the operating voltage type of voltage (Ui) rated value surge voltage resistance rated value 4 000 V surge voltage resistance rated value 4 000 V supply voltage • at AC rated value • for testing equipment minimum 195 V value range of the supply voltage frequency value range of the operating frequency 50 Hz Protection class protection class IP protection function false tripping Power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value at 40 °C rated value 30.0 mA operational current • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 65 °C rated value	touch protection against electrical shock according to EN 50274	Finger and back-of-hand safe	
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 4000 V supply voltage • at AC rated value 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 • maximum tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value	mechanical service life (operating cycles) typical	10 000	
type of voltage of the operating voltage type of voltage (Ui) rated value surge voltage resistance rated value 460 V surge voltage resistance rated value 4000 V supply voltage • at AC rated value • for testing equipment minimum 195 V value range of the supply voltage frequency 50 Hz Protection class protection class IP protection function false tripping power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value 31.9 W poperational current • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 65 °C rated value	overvoltage category	III	
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surge voltage resistance rated value at AC rated value of rot testing equipment minimum 195 V value range of the supply voltage frequency value range of the operating frequency 50 Hz Protection class protection class IP protection function false tripping power loss [W] of rot rated value of the current at AC in hot operating state per pole maximum tripping fault current rated value operational current et 40 °C rated value at 45 °C rated value at 45 °C rated value at 45 °C rated value at 60 °C rated value 33.2 A at 60 °C rated value 34.8 A at 60 °C rated value 33.2 A	type of voltage of the operating voltage	AC	
supply voltage at AC rated value for testing equipment minimum 195 V value range of the supply voltage frequency value range of the operating frequency 50 Hz Protection class protection class IP protection false tripping Protection function false tripping power loss [W] for rated value of the current at AC in hot operating state per pole maximum minimum 3.8 W tripping fault current rated value at 40 °C rated value at 40 °C rated value at 45 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value 34.8 A at 60 °C rated value 33.2 A	insulation voltage (Ui) rated value	460 V	
 at AC rated value 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 for rated value of the current at AC in hot operating state per pole maximum as W tripping fault current rated value operational current at 40 °C rated value at 45 °C rated value at 45 °C rated value at 55 °C rated value at 55 °C rated value at 60 °C rated value at 80 °C rated value 	surge voltage resistance rated value	4 000 V	
• for testing equipment minimum value range of the supply voltage frequency value range of the operating frequency 50 Hz Protection class protection class IP protection function false tripping power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value • at 65 °C rated value	supply voltage		
value range of the supply voltage frequency value range of the operating frequency protection class protection class IP protection function false tripping power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 60 °C rated value • at 65 °C rated value	at AC rated value	230 V	
value range of the operating frequency Protection class protection class IP protection function false tripping Pes Dissipation power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 60 °C rated value • at 65 °C rated value	 for testing equipment minimum 	195 V	
Protection class protection class IP protection function false tripping Dissipation power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value • at 40 °C rated value • at 45 °C rated value • at 55 °C rated value • at 65 °C rated value	value range of the supply voltage frequency	50 Hz	
protection class IP protection function false tripping Dissipation power loss [W]	value range of the operating frequency	50 Hz	
protection function false tripping Possipation power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value operational current • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 65 °C rated value	Protection class		
Dissipation power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum tripping fault current rated value operational current • at 40 °C rated value • at 45 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value	protection class IP	IP20, if the distribution board is installed, with connected conductors	
power loss [W] • for rated value of the current at AC in hot operating state per pole • maximum 3.8 W tripping fault current rated value operational current • at 40 °C rated value • at 45 °C rated value 37.2 A • at 50 °C rated value 34.8 A • at 60 °C rated value 34.8 A • at 60 °C rated value 33.2 A	protection function false tripping	Yes	
 for rated value of the current at AC in hot operating state per pole maximum tripping fault current rated value operational current at 40 °C rated value at 45 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value 	Dissipation		
per pole • maximum 3.8 W tripping fault current rated value 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	power loss [W]		
tripping fault current rated value 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 60 °C rated value • at 65 °C rated value 33.2 A		1.9 W	
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 60 °C rated value • at 65 °C rated value • at 65 °C rated value • at 65 °C rated value • 33.2 A	• maximum	3.8 W	
 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 60 °C rated value at 65 °C rated value 33.2 A 	tripping fault current rated value	300 mA	
 at 45 °C rated value at 50 °C rated value at 55 °C rated value at 60 °C rated value at 60 °C rated value at 65 °C rated value 33.2 A 	operational current		
 at 50 °C rated value at 55 °C rated value at 60 °C rated value at 65 °C rated value 33.2 A 	• at 40 °C rated value	37.2 A	
 at 55 °C rated value at 60 °C rated value at 65 °C rated value 33.2 A 	• at 45 °C rated value	37.2 A	
 at 60 °C rated value at 65 °C rated value 34 A 33.2 A 	• at 50 °C rated value	36 A	
• at 65 °C rated value 33.2 A	• at 55 °C rated value	34.8 A	
	• at 60 °C rated value	34 A	
• at 70 °C rated value 32 A	• at 65 °C rated value	33.2 A	
	• at 70 °C rated value	32 A	

at AC rated value	40 A	
residual current type	AC	
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 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	71 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	2	
fastening method	REG	
mounting position	any	
net weight	192 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-5 °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		Declaration of Conformity

formity

Confirmation





Miscellaneous





Declaration of Conother **Dangerous Good Environment**



Miscellaneous

Confirmation

Transport Information

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2622-0$

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

https://support.industry.siemens.com/cs/ww/en/ps/5SM2622-0

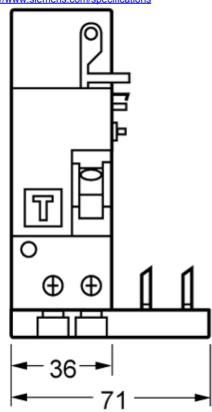
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2622-0

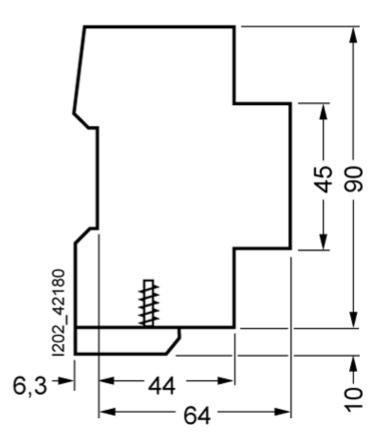
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified:

8/13/2023