## SIEMENS

## Data sheet

## 5SM2121-0



RC unit for 5SY, 2-pole, type AC, In: 16 A, 10 mA, Un AC: 230 V

Model			
product brand name	SENTRON		
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	10 mA		
operational current			
• at 40 °C rated value	14.9 A		
• at 45 °C rated value	14.88 A		
• at 50 °C rated value	14.4 A		
• at 55 °C rated value	13.92 A		
• at 60 °C rated value	13.6 A		
• at 65 °C rated value	13.28 A		
• at 70 °C rated value	12.8 A		
at AC rated value	16 A		
residual current type	AC		
supply voltage			
<ul> <li>at AC rated value</li> </ul>	230 V		
<ul> <li>for testing equipment minimum</li> </ul>	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]			
<ul> <li>for rated value of the current at AC in hot operating state</li> </ul>	2.5 W		

per pole						
roduct details						
product feature						
OFF-delay time a	adjustable		No			
<ul> <li>rated fault curren</li> </ul>			No			
sealable			No			
onnections			110			
connectable conductor	cross-section solid					
minimum			1.5 mm²			
maximum			25 mm <sup>2</sup>			
connectable conductor	cross-section stranded		20 11111			
minimum			1.5 mm²			
maximum			25 mm <sup>2</sup>			
tightening torque with s	crew_type terminals		20 11111			
<ul> <li>minimum</li> </ul>	crew-type terminals		2.5 N·m			
• maximum			2.5 N m 3 N·m			
position of power supply	v cord		top or bo	ttom		
lechanical Design			top or bo		_	_
-			70 mana			
installation depth	lla unita		70 mm 2			
number of modular widt						
fastening method			REG			
mounting position			any			
net weight			201 g			
invironmental conditio			_	_	_	_
ambient temperature du	uring operation		5.00			
• minimum			-5 °C			
maximum	• •		45 °C			
ambient temperature du	uring storage		40.00			
• minimum			-40 °C			
maximum number of test cycles fo 60068-2-30	or environmental testing ac	cording to IEC	75 °C 28			
opprovals Certificates						
General Product App	roval		_			other
<u>Confirmation</u>				Miscellaneous	EHC	<u>Confirmation</u>
other	Dangerous Good	Environment				
<u>Miscellaneous</u>	Transport Information	Environmental firmations	<u>Con-</u>			
urther information	to exit the Russian mark	et (see here)				

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 work to the 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,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2121-0

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

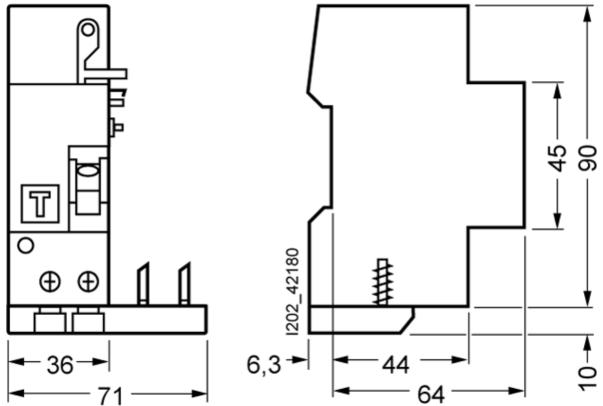
https://support.industry.siemens.com/cs/ww/en/ps/5SM2121-0

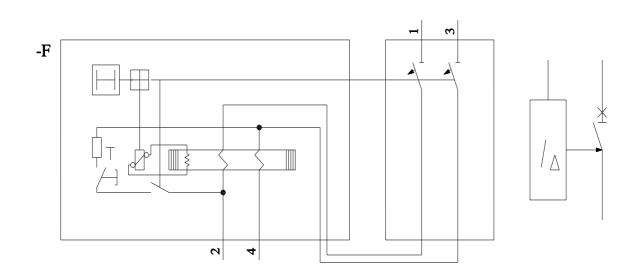
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SM2121-0

CAx-Online-Generator

http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





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