

ARC FAULT DETECTION UNIT 1-16A 230V 1MW FOR
MCB AND RCBO 1+N 2MW



Model		
product brandname		SENTRON
Design of the product		for MCB 5SY, 5SL4 and RCBO 5SU1
General technical data		
Number of poles		2
Number of poles / Note		1P+N
Size of installation devices / acc. to DIN 43880		1
Protection against electrical shock / acc. to EN 50274		finger and back-of-hand safe
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III
Supply voltage		
Supply voltage / at AC / rated value	V	230
Protection class		
Protection class IP		IP20, with connected protective device and conductors
Dissipation		
Power loss [W]		

- for rated value of the current / at AC / in hot operating state / per pole
- maximum

W	0.6
W	1.2

Electricity

Tripping current

- in the event of electrical arcs in parallel with the load / maximum
- in the event of electrical arcs in parallel with the load / minimum
- in the event of electrical arcs in series with the load / maximum
- in the event of electrical arcs in series with the load / minimum

A	500
A	50
A	20
A	1
A	16

Current / at AC / rated value

Product details

Product feature

- halogen-free
- silicon-free

Yes
Yes
Yes

Product extension / can be installed / supplementary devices

Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30

28

Connections

Connectable conductor cross-section / stranded / minimum

mm ²	0.75
-----------------	------

Connectable conductor cross-section

- solid
 - minimum
 - maximum
- finely stranded / with core end processing
 - minimum
 - maximum

mm ²	0.75
mm ²	16
mm ²	0.75
mm ²	10

Tightening torque / with screw-type terminals

- minimum
- maximum

N·m	2
N·m	2.5

Position / of power supply cord

Bottom

Mechanical Design

Height

mm	95
----	----

Width

mm	54
----	----

Depth

mm	68.5
----	------

Mounting position		any
Installation depth	mm	70
Number of width units		1
Number of width units / of the mountable protective device		2
Mounting type		DIN rail (REG)
Net weight	g	118

Environmental conditions

Degree of pollution		2
Ambient temperature		
• minimum	°C	-25
• maximum	°C	40
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

Certificates

General Product Approval



Declaration of Conformity

Further information

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SM6021-1>

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

<http://support.automation.siemens.com/WW/view/en/5SM6021-1/all>

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

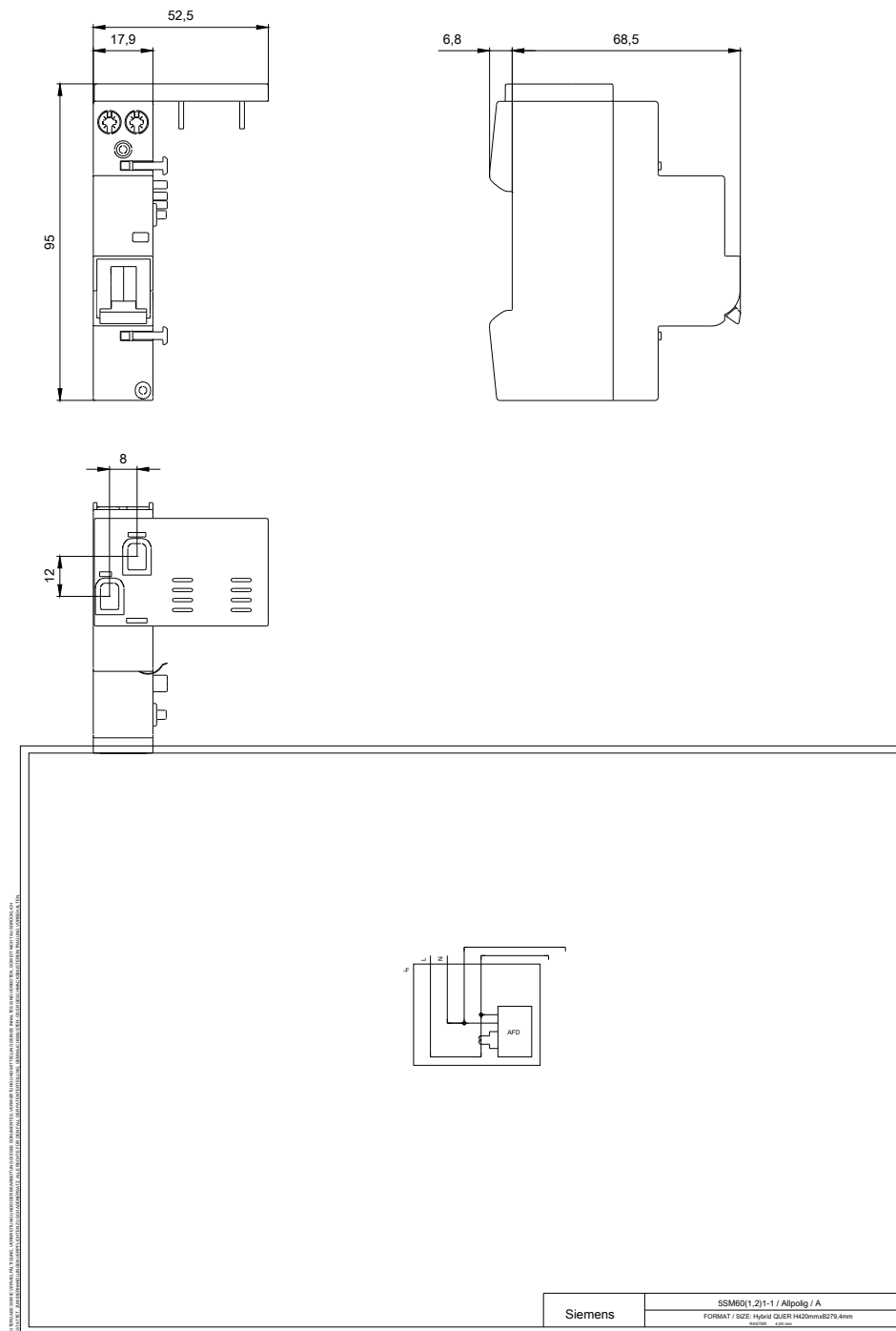
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6021-1

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

10/17/2016