

ARC FAULT DETECTION UNIT 1-40A 230V 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	230 V
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

0.6 W

1.2 W

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

500 A

50 A

40 A

1 A

Current / at AC / rated value

40 A

Product details

Product feature

- halogen-free
- silicon-free

Yes

Yes

Product extension / can be installed / supplementary devices

Yes

Number

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

28

Connections

Connectable conductor cross-section / stranded / minimum

0.75 mm²

Connectable conductor cross-section

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

0.75 mm²16 mm²0.75 mm²10 mm²

Tightening torque / with screw-type terminals

- minimum
- maximum

2 N·m

2.5 N·m

Position / of power supply cord

Bottom

Mechanical Design

Height

95 mm

Width

54 mm

Depth

68.5 mm

Mounting position	any
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	2
Mounting type	DIN rail (REG)
Net weight	121 g

Environmental conditions

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

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://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM6024-2>

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

<http://support.automation.siemens.com/WW/view/en/5SM6024-2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6024-2

CAX-Online-Generator

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

Tender specifications

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



