SIEMENS

Data sheet 5SM6011-2

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



Model	
product brandname	SENTRON
Product designation	Arc-fault detection unit block
Design of the product	for MCB 5SY60
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]	

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• for rated value of the current / at AC / in hot operating state / per pole	0.6 W
• maximum	1.2 W

Electricity

Tripping current	
• in the event of electrical arcs in parallel with the load / maximum	500 A
• in the event of electrical arcs in parallel with the load / minimum	50 A
• in the event of electrical arcs in series with the load / maximum	16 A
• in the event of electrical arcs in series with the load / minimum	1 A
Current / at AC / rated value	16 A

Product details

Product feature	
• halogen-free	Yes
• silicon-free	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	0.75 mm²
— maximum	16 mm²
• finely stranded / with core end processing	
— minimum	0.75 mm²
— maximum	10 mm²
Tightening torque / with screw-type terminals	
• minimum	2 N·m
• maximum	2.5 N·m
Position / of power supply cord	Bottom

Mechanical Design

Height	95 mm
Width	36 mm
Depth	68.5 mm

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Mounting position	any
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	1
Mounting type	DIN rail (REG)
Net weight	114 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	other
VDE	EG-Konf.	sonstig

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=5SM6011-2

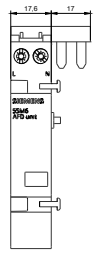
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/5SM6011-2/all

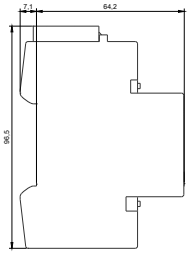
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6011-2

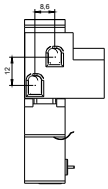
CAx-Online-Generator
http://www.siemens.com/cax

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

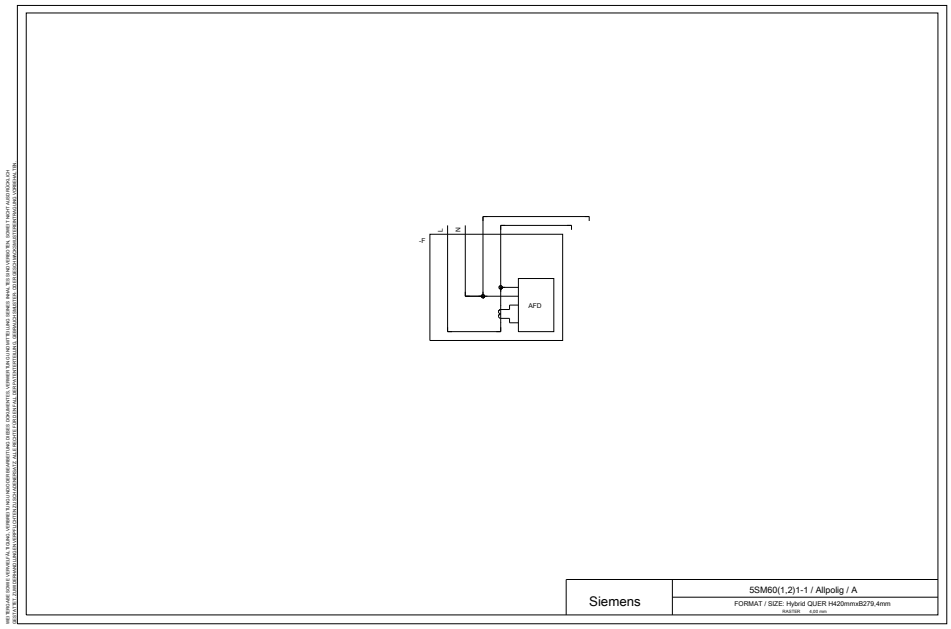
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