



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

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 frequency		
<ul style="list-style-type: none"> Rated value 	Hz	50

Protection class

Protection class IP		IP20, with connected protective device and conductors
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Dissipation

Active power loss		
<ul style="list-style-type: none"> for rated value of the current / with AC / in hot operating state / per pole 	W	0.6

Electricity

Tripping current		
<ul style="list-style-type: none"> in the event of electrical arcs in parallel with the load / maximum 	A	500
<ul style="list-style-type: none"> in the event of electrical arcs in parallel with the load / minimum 	A	50

• in the event of electrical arcs in series with the load / maximum	A	20
• in the event of electrical arcs in series with the load / minimum	A	1
Current / with AC		
• Rated value	A	16
Net weight	g	144

Product details

Product property		
• halogen-free		Yes
• silicon-free		Yes
Product expansion / can be installed		
• supplementary devices		Yes

Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		28
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Connections

Connectable conductor cross-section / stranded		
• minimum	mm ²	0.75
Connectable conductor cross-section		
• solid		
— minimum	mm ²	0.75
— maximum	mm ²	16
• finely stranded / with core end processing		
— minimum	mm ²	0.75
— maximum	mm ²	10
Tightening torque / with screw-type terminals		
• minimum	N·m	2
• maximum	N·m	2.5
Position		
• of power supply cord		Bottom

Mechanical Design

Height	mm	95
Width	mm	17.9
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		1
Mounting type		DIN rail (REG)

Environmental conditions

Ambient temperature

• minimum	°C	-25
• maximum	°C	40
• with relative humidity 95%	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

Certificates

General Product Approval



GOST



VDE



EG-Konf.

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/5SM60111>

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

<http://support.automation.siemens.com/WW/view/en/5SM60111/all>

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

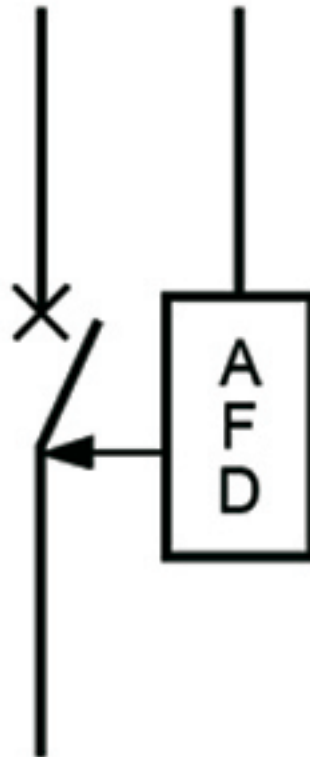
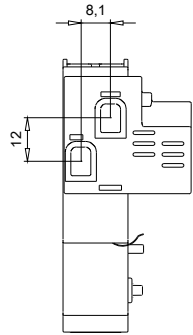
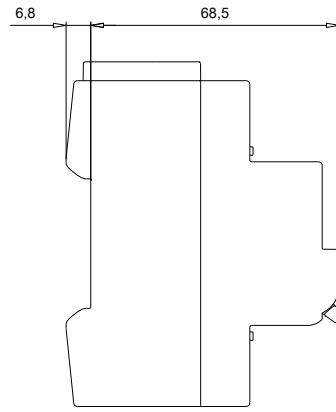
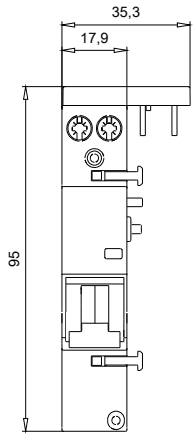
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM60111

CAX-Online-Generator

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

Tender specifications

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



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