

Arc fault detection device block AFDD, 1-16 A 230 V for MCB or RCBO 1+N 1 MW



Model	
Product brand name	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
Switching function / short-term delayed	No
Oversvoltage category	III
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	16 A
Supply voltage	
• at AC / rated value	230 V
Supply voltage frequency	

• rated value	50Hz
<b>Protection class</b>	
Protection class IP	IP20, with connected protective device and conductors
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.6 W
<b>Current</b>	
• Tripping current	50 ... 500
• Tripping current	1 ... 16
<b>Product details</b>	
Product feature	
• halogen-free	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Connections</b>	
• Connectable conductor cross-section	
— solid	0.75 ... 16 mm <sup>2</sup>
— stranded	0.75 ... 16 mm <sup>2</sup>
• Connectable conductor cross-section / finely stranded / with core end processing	0.75 ... 10 mm <sup>2</sup>
Tightening torque / with screw-type terminals	2 ... 2.5 N·m
Position / of power supply cord	Bottom
<b>Mechanical Design</b>	
Height	95 mm
Width	36 mm
Depth	68.5 mm
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	1
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	114 g
<b>Environmental conditions</b>	
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C
<b>Certificates</b>	

General Product Approval	Declaration of Con- formity	other
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[Miscellaneous](#)

#### 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,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/5SM6011-2>

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

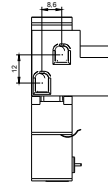
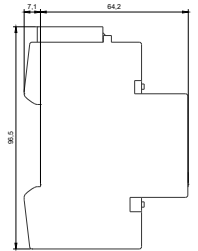
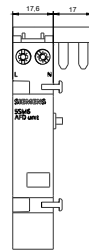
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM6011-2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6011-2)

**CAX-Online-Generator**

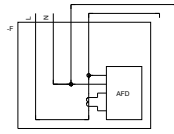
<http://www.siemens.com/cax>

**Tender specifications**

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



5SM6011-2 (1) (2) 1-1 / A (polig / A)  
FORMAT / SIZE: Hybrid QUER H420mmx279,4mm  
42000 - 100 000



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5SM60(1,2)1-1 / Allpolig / A  
FORMAT / SIZE: Hybrid QUER H420mmx279,4mm  
42000 - 100 000