



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
design of pole	1P+N
size of installation devices / acc. to DIN 43880	1
touch 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
overvoltage category	III
degree of pollution	2
type of voltage / of the operating voltage	AC
Supply voltage	
supply voltage	
• at AC / rated value	230 V
Protection class	
protection class IP	IP20, with connected protective device and conductors
Current	
tripping current	
• in the event of electrical arcs in parallel with the load / minimum	50 A
• in the event of electrical arcs in parallel with the load / maximum	500 A
• in the event of electrical arcs in series with the load / minimum	2 A
• in the event of electrical arcs in series with the load / maximum	16 A
operational current / at AC / rated value	16 A
Product details	
product feature	
• halogen-free	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	

<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 16 mm ²
connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 16 mm ²
connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 10 mm ²
tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • minimum • maximum 	2 N·m 2.5 N·m
position / of power supply cord	Bottom

Mechanical Design

height	95 mm
width	36 mm
depth	68.5 mm
installation depth	70 mm
number of modular width units	1
number of modular width units / of the mountable protective device	1
fastening method	DIN rail (REG)
mounting position	any
net weight	114 g

Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 45 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 75 °C
ambient temperature / with relative humidity 95%	55 °C
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

General Product Approval	Declaration of Conformity	Test Certificates
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[Miscellaneous](#)

other

[Miscellaneous](#)

[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

CAX-Online-Generator

Tender specifications





