

Arc fault detection device block AFDD, 1-16 A 230 V for CB and RCBO 1+N 2MW



Model	
Product brand name	SENTRON
Product designation	Arc-fault detection unit block
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
Switching function / short-term delayed	No
Overvoltage 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
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	0.6 W
Current	
• Tripping current	50 ... 500
• Tripping current	1 ... 16
Product details	
Product feature	
• halogen-free	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Connections	
• Connectable conductor cross-section	
— solid	0.75 ... 16 mm ²
— stranded	0.75 ... 16 mm ²
• Connectable conductor cross-section / finely stranded / with core end processing	0.75 ... 10 mm ²
Tightening torque / with screw-type terminals	2 ... 2.5 N·m
Position / of power supply cord	Bottom
Mechanical Design	
Height	95 mm
Width	54 mm
Depth	68.5 mm
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	2
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	121 g
Environmental conditions	
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C
Certificates	

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=5SM6021-2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM6021-2>

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

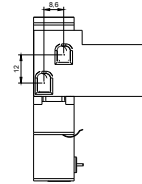
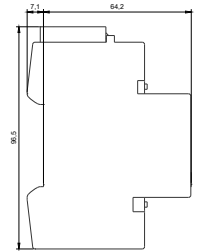
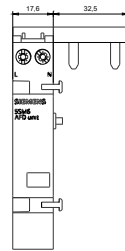
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6021-2

CAX-Online-Generator

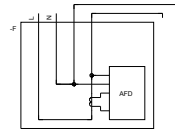
<http://www.siemens.com/cax>

Tender specifications

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



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Siemens

5SM60(1,2)1-1 / Allpolg / A
FORMAT / SIZE: Hybrid QUER H420mmxB279,4mm
932008 - 02.00