

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



Model	
Product brand name	SETRON
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	
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
Electricity	
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 mm ²
Connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	16 mm ²
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	54 mm
Depth	68.5 mm
Mounting position	any
Installation depth	70 mm
Number of width units	1
Number of width units / of the mountable protective device	2
Mounting type	DIN rail (REG)
Net weight	121 g
Environmental conditions	
Degree of pollution	2
Ambient temperature	
• minimum	-25 °C
• maximum	40 °C

- during storage / minimum
- during storage / maximum

-40 °C

75 °C

Certificates

General Product Approval	Declaration of Conformity	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>





