

Arc fault detection device block AFDD, 1-40 A 230 V for MCB or RCBO 1+N 1MW



Model	
Product brand name	SETRON
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
overvoltage category	III
Degree of pollution	2
Supply voltage	
Type of voltage	AC
Operating current / at AC / rated value	40 A
Supply voltage	
• at AC / rated value	230 V

Supply voltage frequency	
• rated value	50/60 Hz
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	1 A
• in the event of electrical arcs in series with the load / maximum	40 A
Product details	
Product feature	
• halogen-free	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Connections	
Connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	16 mm ²
Connectable conductor cross-section / stranded / minimum	0.75 mm ²
Connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm ²
• maximum	10 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	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

Environmental conditions

Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C

Certificates

General Product Approval	Declaration of Conformity	Test Certificates	other
 IMQ	 VDE	 VDE	 EG-Konf.
		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=5SM6014-2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM6014-2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM6014-2

CAX-Online-Generator

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

Tender specifications

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



