

AFDD-MCB-Combination 230V, 6kA, 1+N, B, 20A Compact (1MW)



Model	
Product brand name	SETRON
Product designation	Arc-fault detection unit MCB
Design of the product	Compact unit
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	20 A
Supply voltage	230 V
• at AC / rated value	

Supply voltage frequency	
• rated value	50/60 Hz
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	1.75 W
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	20 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	1.2 N·m
• maximum	2 N·m
Position / of power supply cord	any
Mechanical Design	
Height	90 mm
Width	18 mm
Depth	68.5 mm

Installation depth	70 mm
Number of width units	1
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	150 g

Environmental conditions

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

Certificates

Declaration of Conformity

Test Certificates

[Miscellaneous](#)



EG-Konf.

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=5SV6016-6KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV6016-6KK20>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV6016-6KK20

CAX-Online-Generator

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

Tender specifications

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







