SIEMENS

Data sheet 5SV6016-6KK16

AFDD-MCB-Combination 230V, 6kA, 2pole, B, 16A Compact (1MW)



Model	
Product brand name	SENTRON
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

Supply voltage	
Type of voltage	AC
Current / at AC / rated value	16 A
Supply voltage	
• at AC / rated value	230 V
Supply voltage frequency	

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• 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	1.35 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	16 A

Product details

Product feature	
• halogen-free	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Connections

Connectable conductor cross-section / stranded / minimum	0.75 mm²
Connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm²
• maximum	10 mm²
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

Certificates

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Declaration of Conformity



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=5SV6016-6KK16

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SV6016-6KK16

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV6016-6KK16

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

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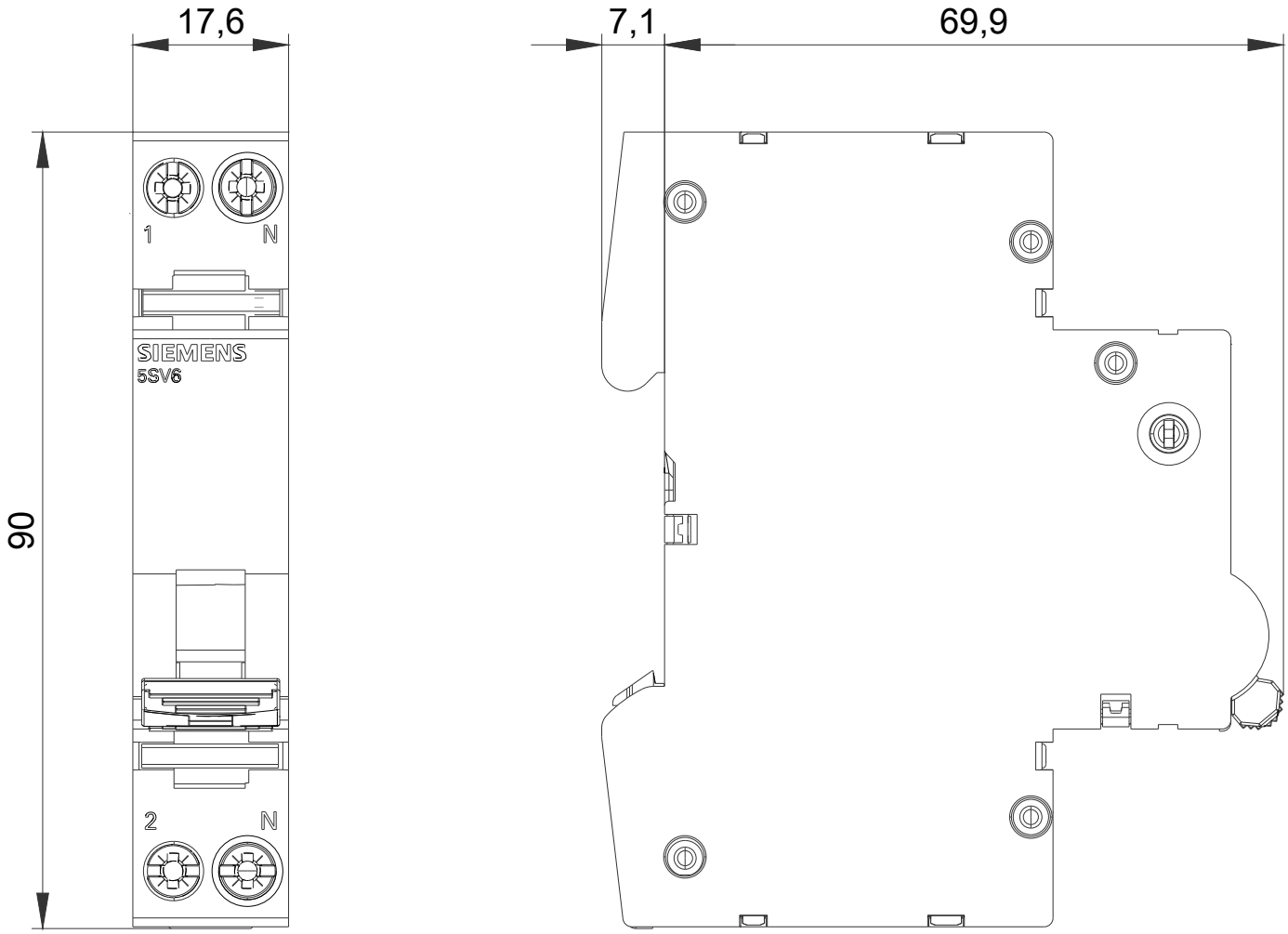

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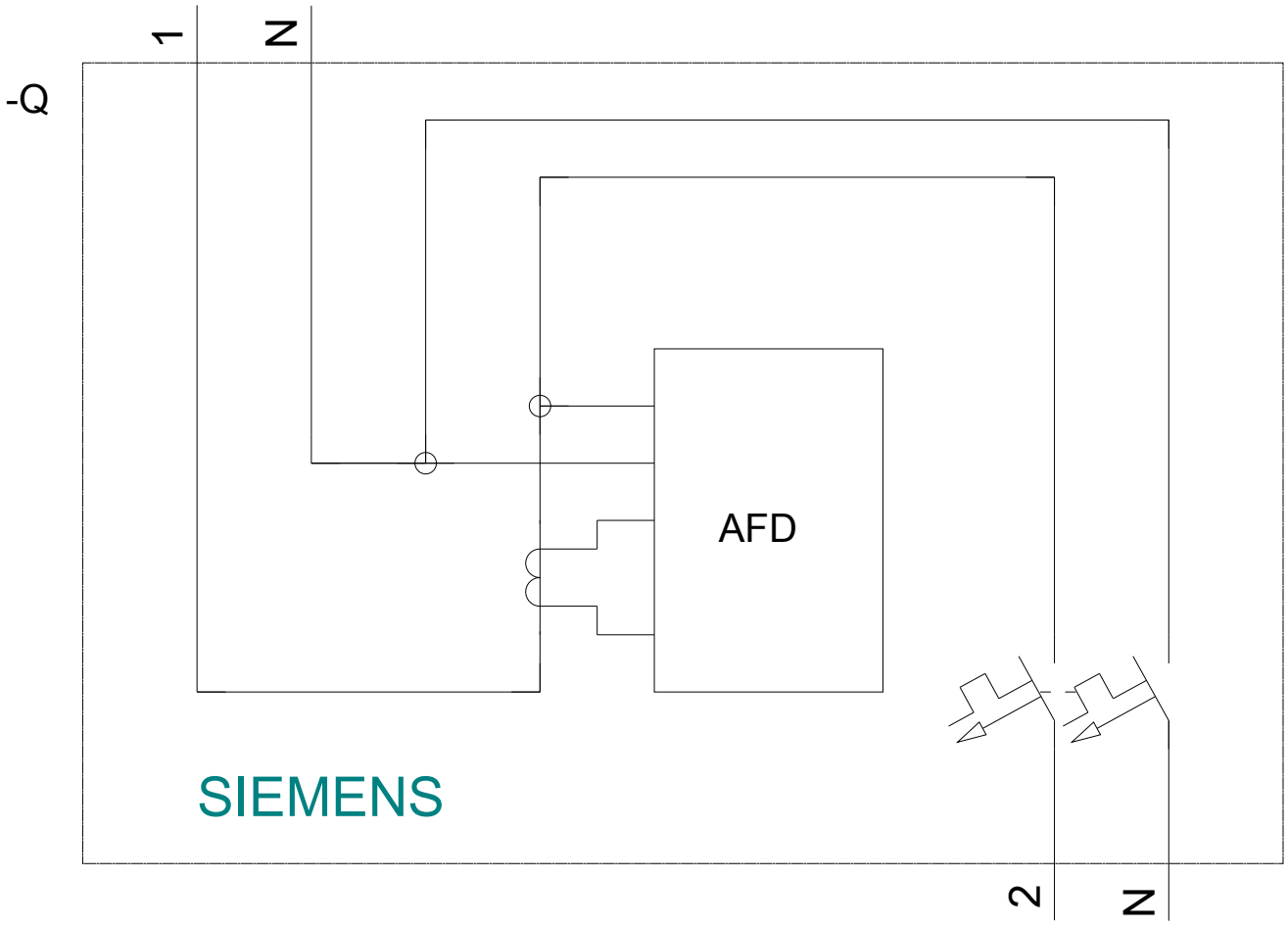

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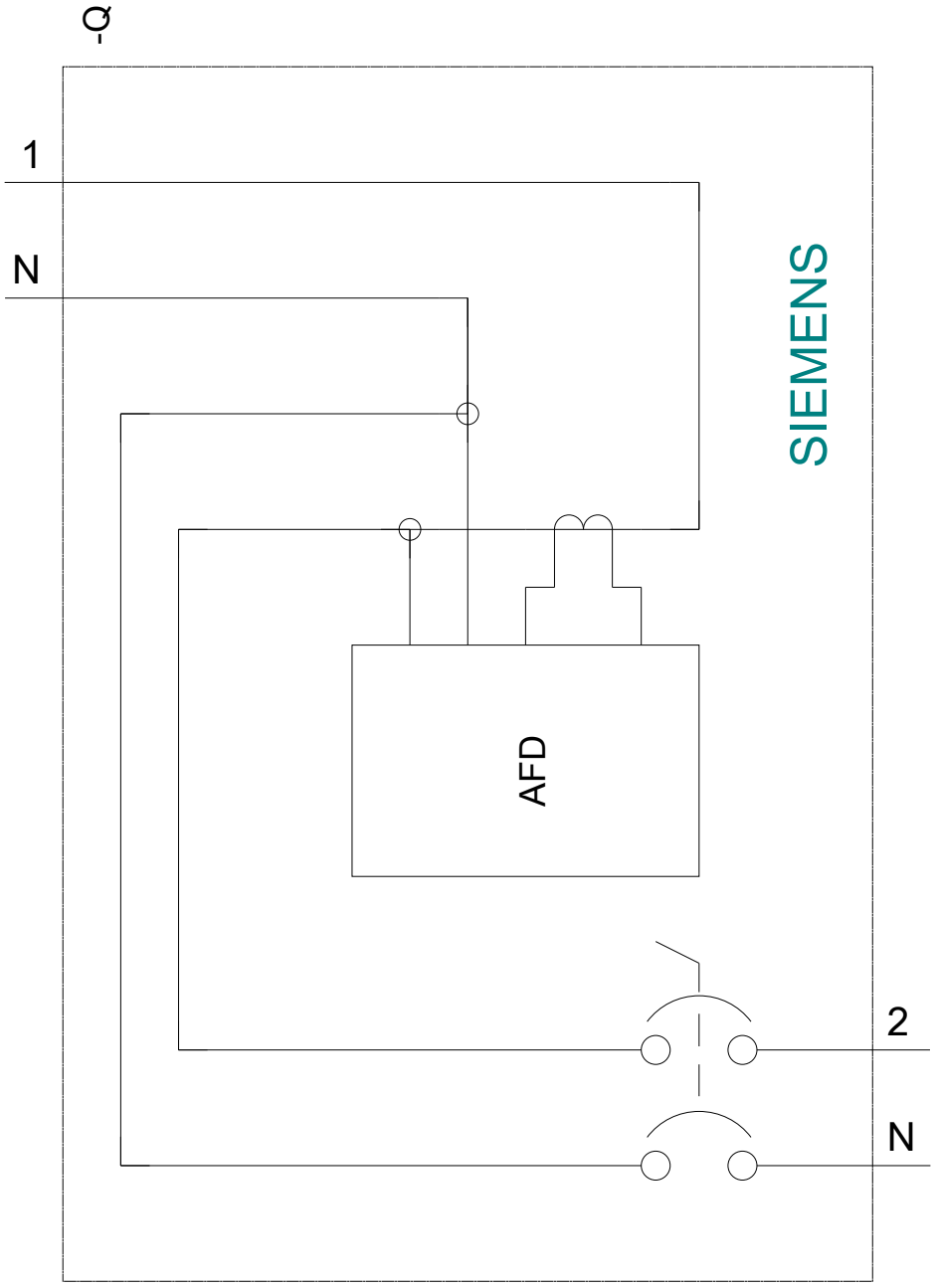

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