SIEMENS

Data sheet 5SY6016-7

Miniature circuit breaker 230 V 6kA, 1+N-pole/1 MW, C 16 A



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
General technical data	
Number of poles / Note	1P+N
Tripping characteristic class	C
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	16 A
Supply voltage	
• at AC / rated value	230 V
Operating voltage	
• minimum	24 V
• with single-phase operation / at AC / maximum	250 V
Protection class	
Protection class IP	IP20, with connected conductors

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Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	6 kA
Energy limiting class	3

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.1 W

Product details	
Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product component	
• combined terminal top	No
• combined terminal bottom	No
Product feature	
• Properties for main switches in accordance with EN 60204-1	No
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes

Connections	
• Connectable conductor cross-section	
— stranded	0.75 ... 16
• Connectable conductor cross-section / finely stranded / with core end processing	0.75 ... 16
	0.75 ... 10
Tightening torque [lbf·in] / with screw-type terminals	17.7 ... 22.1
Tightening torque / with screw-type terminals	2 ... 2.5
Position / of power supply cord	Any

Mechanical Design	
Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1
Mounting type	standard rail
Mounting position	any
Net weight	102 g

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Environmental conditions

Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	
	-25 ... +45
	-40 ... +75

Certificates

Reference code	
• acc. to DIN EN 81346-2	F

General Product Approval				Declaration of Conformity	Test Certificates
			Miscellaneous		Miscellaneous
CCC	IMQ	VDE		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=5SY6016-7

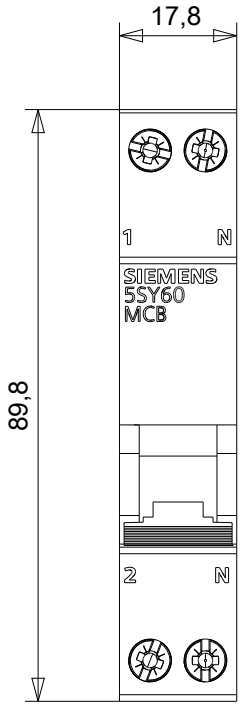
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SY6016-7

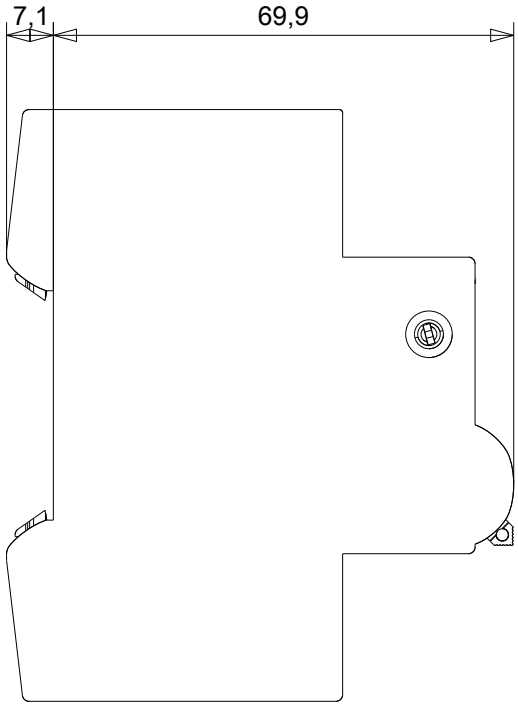
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6016-7

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

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

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