

CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW, B  
16A



Figure similar

Model		
product brand name		SENTRON
Product designation		Miniature circuit breakers
Design of the product		5SY60 miniature circuit breakers
General technical data		
Number of poles		1
Number of poles / Note		1P+N right
Tripping characteristic class		B
circuit-breaker / Design		5SY60
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Type of voltage		AC/DC
Insulation voltage / at AC / Rated value	V	250
Supply voltage		
Supply voltage / at AC / Rated value	V	230
Supply voltage frequency / Rated value	Hz	50

Protection class		
<b>Protection class IP</b>		IP20, with connected conductors
<b>Energy limiting class</b>		3
Switching capacity		
<b>Switching capacity current</b>		
• acc. to EN 60898 / Rated value	kA	6
• acc. to IEC 60947-2 / Rated value	kA	6
Dissipation		
<b>Active power loss</b>		
• at N pole / at rated current / at AC / during operation	W	1.018
• for rated value of the current / at AC / in hot operating state / per pole	W	2.219
Electricity		
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	15.36
Current / at AC / Rated value	A	16
Main circuit		
<b>Operating voltage</b>		
• minimum	V	24
• with single-phase operation / at AC / maximum	V	250
Product details		
Product feature / Touch protection		Yes
<b>Product property</b>		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product expansion / can be installed / supplementary devices		Yes
Product function		
Product function / neutral conductor switching		Yes
Number		
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>		6
Connections		
<b>Connectable conductor cross-section / stranded</b>		
• minimum	mm <sup>2</sup>	0.75
• maximum	mm <sup>2</sup>	16
<b>Connectable conductor cross-section</b>		
• solid		
— minimum	mm <sup>2</sup>	0.75

— maximum	mm <sup>2</sup>	16
• finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	10
<b>Tightening torque / with screw-type terminals</b>		
• minimum	N·m	2
• maximum	N·m	2.5
Position / of power supply cord		Any

### Mechanical Design

mounting position		any
Installation depth	mm	70
Number of width units		1
Net weight	g	109

### Environmental conditions

<b>Influence of the surrounding temperature</b>		Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6		50m/s <sup>2</sup> at 25 to... 35Hz (4s002)
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	45
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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### Test Certificates

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### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

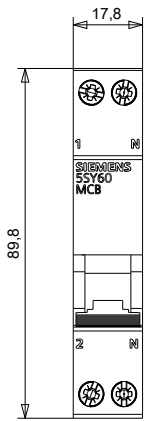
<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY60166>

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

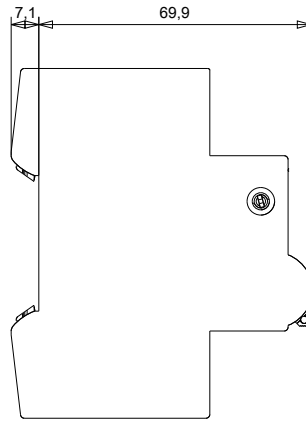
<http://support.automation.siemens.com/WW/view/en/5SY60166/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY60166](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY60166)



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