

CIRCUIT BREAKER DC 220V 10KA, 1POLE, C, 3A



Figure similar

Model		
product brand name		SENTRON
Product designation		Miniature circuit breakers
Design of the product		5SY miniature circuit breakers
General technical data		
Number of poles		1
Number of poles / Note		1P
Tripping characteristic class		C
circuit-breaker / Design		5SY5CC
Mechanical service life (switching cycles) / typical		20 000
Overtoltage category		3
Voltage		
Type of voltage		DC
Insulation voltage		
• for DC / Rated value	V	250
Protection class		
Protection class IP		IP20, with connected conductors
Switching capacity		
Switching capacity current		
• for DC / acc. to IEC 60947-2 / Rated value	kA	10
Dissipation		
Active power loss		

- for rated value of the current / with AC / in hot operating state / per pole

W	1.4
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## Electricity

Current / with AC / Rated value	A	3
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## Product details

Product feature / Touch protection		Yes
<b>Product component</b>		
• combined terminal top		Yes
• combined terminal bottom		Yes
<b>Product property</b>		
• Properties for main switches in accordance with EN 60204-1		No
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product expansion / can be installed / supplementary devices		Yes

## Product function

Product function / neutral conductor switching		No
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## Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		28
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## Connections

<b>Connectable conductor cross-section / stranded</b>		
• minimum	mm <sup>2</sup>	0.75
• maximum	mm <sup>2</sup>	35
<b>Connectable conductor cross-section</b>		
• solid		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	35
• finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	25
<b>Tightening torque [lbf·in] / with screw-type terminals</b>		
• minimum	lbf·in	22
• maximum	lbf·in	26
<b>Tightening torque / with screw-type terminals</b>		
• minimum	N·m	2.5
• maximum	N·m	3

## Mechanical Design

Height	mm	90
Width	mm	18
Depth	mm	76
mounting position		any
Installation depth	mm	70
Number of width units		1
Mounting type		Quick assembly system
Net weight	g	140

### Environmental conditions

Influence of the surrounding temperature		Max. 95% humidity
Shock resistance / acc. to IEC 60068-2-27		150m/s <sup>2</sup> at 11ms half-sine
Vibration resistance / acc. to IEC 60068-2-6		50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

### Certificates

Equipment marking / acc. to DIN EN 61346-2		F
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<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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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/5SY51037CC>

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

<http://support.automation.siemens.com/WW/view/en/5SY51037CC/all>

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

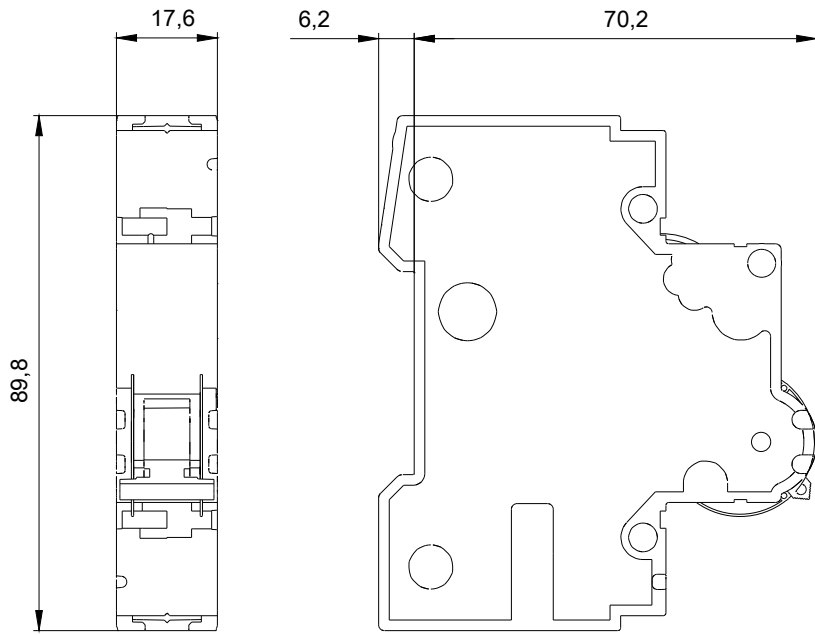
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY51037CC](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY51037CC)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



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