



CIRCUIT BREAKER 230V 6KA,  
1+N POLES/1TE, C 2A

General technical data:		
<b>type of voltage</b>		AC/DC
<b>Mounting depth</b>	mm	70
<b>mounting position</b>		any
<b>Current / for AC / rated value</b>	A	2
<b>Tripping characteristic class</b>		C
<b>Supply voltage</b>		
• for AC / rated value	V	230
• with single-phase operation / with AC / rated value	V	230
<b>Operating voltage</b>		
• minimum	V	24
• with single-phase operation / with AC / maximum	V	250
<b>Number of poles /note</b>		1P+N right
<b>Switching capacity current</b>		
• in accordance with IEC 60947-2 / rated value	kA	6
• acc. to EN 60898 / rated value	kA	6
<b>Active power loss</b>		
• at rated value current / with AC / in warm operating state / per pole	W	1.161
• at N pole / at rated current / with AC / during operation	W	0.015

Number of pitch units for width		1
Product feature / sealable		Yes
Protection class IP		IP20, with connected conductors
Degree of pollution		2
Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity
Ambient temperature	°C	-25 ... +45
Ambient temperature • during storage	°C	-40 ... +75
Mechanical operating cycles as operating time / typical		20,000
Overvoltage class		3
Product equipment / touch-protection		Yes
Insulation voltage / for AC / rated value	V	250
Conductor cross-section that can be connected		
• solid	mm <sup>2</sup>	0.75 ... 16
• multibrin	mm <sup>2</sup>	0.75 ... 16
• finely stranded • with wire end processing	mm <sup>2</sup>	0.75 ... 10
Tightening torque		
• with screw-type terminals	N-m	2 ... 2.5
Product feature		
• [not supplied - silicon-free]		Yes
• halogen-free		Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6

#### Certificates/approvals:

General Product Approval

Declaration of  
Conformity

other



CCC



GOST



VDE



EG-Konf.

[other](#)

#### Further information:

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

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

Industry Mall (Online ordering system)

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

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

<http://support.automation.siemens.com/WW/view/en/5SY6002-7/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY6002-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6002-7)

CAX-Online-Generator

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

last change:

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