

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

Model		
product brandname		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		C
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		
Protection class IP		IP20, with connected conductors
Energy limiting class		3
Switching capacity		
Switching capacity current		
• acc. to EN 60898 / rated value	kA	6
• acc. to IEC 60947-2 / rated value	kA	6
Dissipation		
Power loss [W]		
• at N pole / at rated current / at AC / during operation	W	0.015
• for rated value of the current / at AC / in hot operating state / per pole	W	1.161
• maximum	W	1.2
Electricity		
rated current I _n / IEC, DIN/VDE / at 40 Cel	A	1.88
Current / at AC / rated value	A	2

Main circuit		
Operating voltage		
• minimum	V	24
• with single-phase operation / at AC / maximum	V	250
Product details		
Product feature / Touch protection		Yes
Product feature		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product extension / can be installed / supplementary devices		Yes
Product function		
Product function / neutral conductor switching		Yes
Number		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		6
Connections		
Connectable conductor cross-section / stranded		
• minimum	mm ²	0.75
• maximum	mm ²	16
Connectable conductor cross-section		
• solid		
— minimum	mm ²	0.75
— maximum	mm ²	16
• finely stranded / with core end processing		
— minimum	mm ²	0.75
— maximum	mm ²	10
Tightening torque / with screw-type terminals		
• 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	127
Environmental conditions		
Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6		50m/s ² at 25 to... 35Hz (4s002

Ambient temperature

• minimum	°C	-25
• maximum	°C	45
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

General Product Approval

Declaration of Conformity



CCC



IMQ



VDE



[sonstig](#)



EG-Konf.

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/5SY6002-7>

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

CAX-Online-Generator

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

Tender specifications

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

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