

CIRCUIT BREAKER 400V 6KA, 2POLE, C, 30A



Model		
product brand name		SETRON
Product designation		Miniature circuit breakers
Design of the product		5SY miniature circuit breakers

General technical data		
Number of poles		2
Number of poles / Note		2P
Tripping characteristic class		C
circuit-breaker / Design		5SY6
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3

Voltage		
Type of voltage		AC/DC
Insulation voltage		
• with single-phase operation / at AC / rated value	V	250
• with multi-phase operation / at AC / rated value	V	440

Supply voltage		
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Supply voltage / at AC / rated value	V	400
Protection class		
Protection class IP		IP20, with connected conductors
Energy limiting class		3
Switching capacity		
Switching capacity current		
• at DC / acc. to IEC 60947-2 / rated value	kA	15
• acc. to EN 60898 / rated value	kA	6
• acc. to IEC 60947-2 / rated value	kA	15
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	2.3
• maximum	W	4.6
Electricity		
Current / at AC / rated value	A	30
Product details		
Product feature / Touch protection		Yes
Product component		
• combined terminal top		Yes
• combined terminal bottom		Yes
Product feature		
• Properties for main switches in accordance with EN 60204-1		No
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product extension / can be installed / supplementary devices		Yes
Product function		
Product function / neutral conductor switching		No
Short circuit		
Breaking capacity short-circuit current (Icn)		
• at AC / acc. to UL 1077 and CSA C22.2 No.235	kA	5
• at DC / acc. to EN 60898-2	kA	10
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	35
Connectable conductor cross-section		
• solid		
— minimum	mm ²	0.75
— maximum	mm ²	35
• finely stranded / with core end processing		
— minimum	mm ²	0.75
— maximum	mm ²	25
AWG number / as coded connectable conductor cross section		
• minimum		14
• maximum		4
Tightening torque [lbf·in] / with screw-type terminals		
• minimum	lbf·in	22
• maximum	lbf·in	26
Tightening torque / with screw-type terminals		
• minimum	N·m	2.5
• maximum	N·m	3
Position / of power supply cord		Any

Mechanical Design

Height	mm	90
Width	mm	36
Depth	mm	76
Mounting position		any
Installation depth	mm	70
Number of width units		2
Mounting type		Quick assembly system
Net weight	g	300

Environmental conditions

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

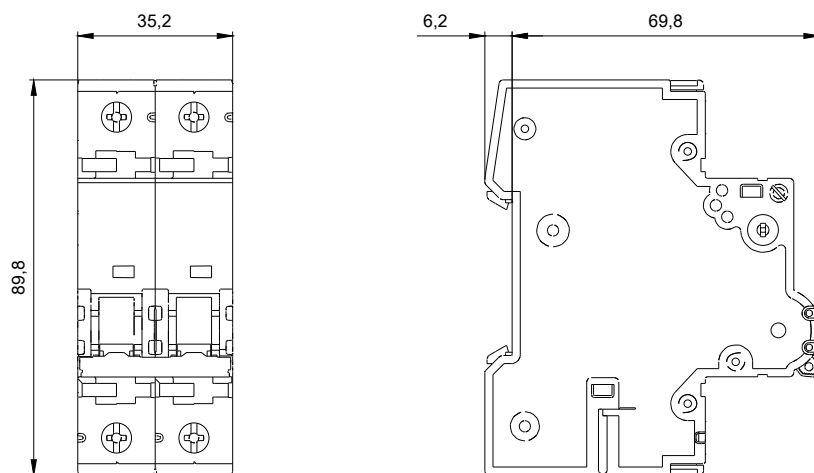
Certificates

Equipment marking / acc. to DIN EN 61346-2		F
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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/5SY6230-7>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/5SY6230-7/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6230-7**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://ausschreibungstexte.siemens.com/tiplv>

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