



CIRCUIT BREAKER 400V 10KA, 2-POLE, D, 4A,
D=70MM

Figure similar

Model		
product brand name		SENTRON
Product designation		5SY miniature circuit breaker
Design of the product		5SY miniature circuit breakers
General technical data		
Number of poles		2
Number of poles / Note		2P
Tripping characteristic class		D
circuit-breaker / Design		5SY4
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Insulation voltage		
with multi-phase operation / with AC / Rated value	V	440
Supply voltage		
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		
for DC / acc. to IEC 60947-2 / Rated value	kA	15

- acc. to EN 60898 / Rated value
- acc. to IEC 60947-2 / Rated value

kA	10
kA	35

Dissipation

Active power loss

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

W	1.2
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Electricity

rated current I_n / IEC, DIN/VDE / at 40 °C

A	3.76
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Current / with AC / Rated value

A	4
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Product details

Product feature / Touch protection

	Yes
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Product component

- combined terminal top
- combined terminal bottom

	Yes
	Yes

Product property

- Properties for main switches in accordance with EN 60204-1
- halogen-free
- sealable
- silicon-free

	Yes
	Yes
	Yes
	Yes

Product expansion / can be installed / supplementary devices

	Yes
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Product function

Product function / neutral conductor switching

	No
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Short circuit

Breaking capacity short-circuit current (I_{cn})

- with AC / acc. to UL 1077 and CSA C22.2 No.235
- for DC / acc. to EN 60898-2

kA	5
kA	10

Number

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

	6
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Connections

Connectable conductor cross-section / stranded

- minimum
- maximum

mm ²	0.75
mm ²	35

Connectable conductor cross-section

- solid
 - minimum
 - maximum

mm ²	0.75
mm ²	35

- finely stranded / with core end processing — minimum — maximum	mm ²	0.75
	mm ²	25
AWG number / as coded connectable conductor cross section		
- minimum - maximum		14 4
Tightening torque [lbf·in] / with screw-type terminals		
- minimum - maximum	lbf·in lbf·in	22 26
Tightening torque / with screw-type terminals		
- minimum - maximum	N·m N·m	2.5 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

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 - maximum - during storage / minimum - during storage / maximum	°C °C °C °C	-25 55 -40 75

Certificates		
Equipment marking / acc. to DIN EN 61346-2		F

General Product Approval



CCC



IMQ



GOST



UL



VDE



Declaration of Conformity



EG-Konf.

Test Certificates

[other](#)

[Special Test Certificate](#)

Shipping Approval



BUREAU
VERITAS



DNV



LRS

Shipping Approval

other



RINA

[other](#)

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/5SY42048>

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

<http://support.automation.siemens.com/WW/view/en/5SY42048/all>

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

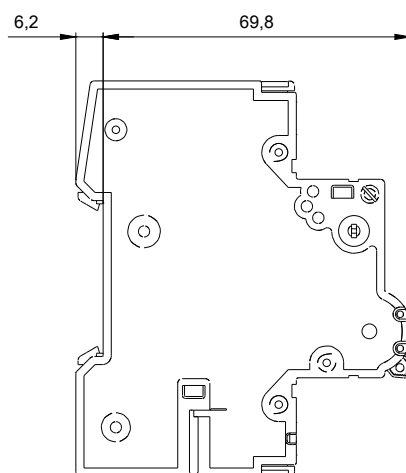
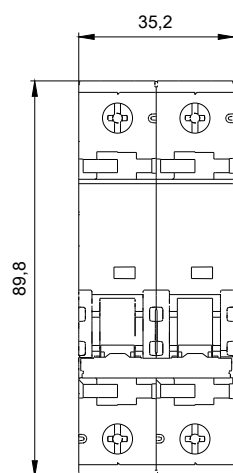
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY42048

CAX-Online-Generator

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

Tender specifications

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



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