



CIRCUIT BREAKER 400V 10KA, 2-POLE, C, 50A, 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		C
circuit-breaker / Design		5SY4
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Insulation voltage		
<ul style="list-style-type: none"> with multi-phase operation / with AC / Rated value 	V	440
Supply voltage		
Supply voltage frequency		
<ul style="list-style-type: none"> 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
- acc. to EN 60898 / Rated value
- acc. to IEC 60947-2 / Rated value

kA	15
kA	10
kA	15

Dissipation

Active power loss

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

W	3.8
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Electricity

rated current I_n / IEC, DIN/VDE

- at 40 Cel

A	47.5
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Current / with AC

- Rated value

A	50
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Net weight

g	329
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Product details

Product feature

- Touch protection

Yes

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

Product function

Product function

- neutral conductor switching

No

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
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kA	10
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Number

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

6

Connections

Connectable conductor cross-section / stranded

<ul style="list-style-type: none"> • minimum 	mm ²	0.75
<ul style="list-style-type: none"> • maximum 	mm ²	35
Connectable conductor cross-section		
<ul style="list-style-type: none"> • solid <ul style="list-style-type: none"> — minimum — maximum 	mm ² mm ²	0.75 35
<ul style="list-style-type: none"> • finely stranded / with core end processing <ul style="list-style-type: none"> — minimum — maximum 	mm ² mm ²	0.75 25
AWG number / as coded connectable conductor cross section		
<ul style="list-style-type: none"> • minimum 		14
<ul style="list-style-type: none"> • maximum 		4
Tightening torque (lbf-in) / with screw-type terminals		
<ul style="list-style-type: none"> • minimum 	lbf-in	22
<ul style="list-style-type: none"> • maximum 	lbf-in	26
Tightening torque / with screw-type terminals		
<ul style="list-style-type: none"> • minimum 	N·m	2.5
<ul style="list-style-type: none"> • maximum 	N·m	3
Position		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 		150m/s ² at 11ms half-sine
Vibration resistance		
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 		50m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
Ambient temperature		
<ul style="list-style-type: none"> • minimum 	°C	-25
<ul style="list-style-type: none"> • maximum 	°C	55
<ul style="list-style-type: none"> • during storage / minimum 	°C	-40
<ul style="list-style-type: none"> • during storage / maximum 	°C	75

Certificates

Reference code

- 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



GL

Shipping Approval

other

[other](#)



RINA

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/5SY42507>

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

<http://support.automation.siemens.com/WW/view/en/5SY42507/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY42507

CAX-Online-Generator

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

Tender specifications

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

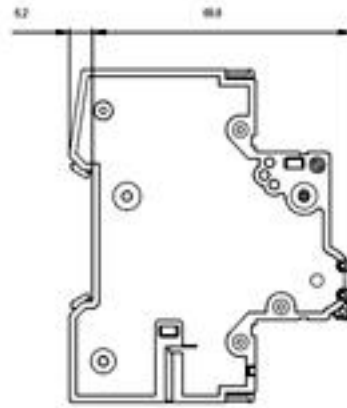
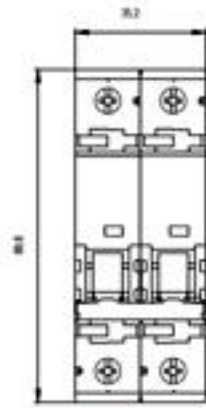


Figure similar

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