SIEMENS

Data sheet

5SY7206-7CC



Miniature circuit breaker 400 V 15kA, 2-pole, C, 6A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
number of poles / note	2P
tripping characteristic class	С
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
insulation voltage	
 with single-phase operation / at AC / rated value 	440 V
 with multi-phase operation / at AC / rated value 	440 V
Supply voltage	
type of voltage	AC
supply voltage	
 at AC / rated value 	400 V
operating voltage / at DC / rated value / maximum	72 V
supply voltage frequency / rated value	50/60 Hz
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
 acc. to IEC 60947-2 / rated value 	30 kA
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.5 W
Current	
operational current	
 at 35 °C / rated value 	6 A
• at 40 °C / rated value	5.67 A
• at 45 °C / rated value	5.5 A
• at 50 °C / rated value	5.32 A
• at 55 °C / rated value	5.13 A
• at AC / rated value	6 A
suitability for operation	Mechanical engineering / industry



product function / neutral conductor switching No product feature / touch protection Yes product component Yes • combined terminal top Yes • combined terminal bottom Yes product feature Yes • properties for main switches in accordance with EN 60204-1 No	
product feature / touch protection Yes product component	
product component Yes • combined terminal top Yes • combined terminal bottom Yes product feature Properties for main switches in accordance with EN No No	
combined terminal top Yes combined terminal bottom Yes product feature properties for main switches in accordance with EN No	
combined terminal bottom Yes product feature properties for main switches in accordance with EN No	
product feature properties for main switches in accordance with EN No 	
properties for main switches in accordance with EN No	
halogen-free Yes	
• sealable Yes	
• silicon-free Yes	
product extension / installable / supplementary devices Yes	
Short circuit	
breaking capacity short-circuit current (Icn)	
• at AC / acc. to UL 1077 and CSA C22.2 No.235 5 kA	
Connections	
connectable conductor cross-section / solid	
• minimum 0.75 mm ²	
• maximum 35 mm ²	
connectable conductor cross-section / stranded	
• minimum 0.75 mm ²	
• maximum 35 mm ²	
connectable conductor cross-section / finely stranded /	
with core end processing	
• minimum 0.75 mm ²	
• maximum 25 mm ²	
tightening torque [lbf·in] / with screw-type terminals	
• minimum 22 lbf·in	
maximum 31 lbf·in	
tightening torque / with screw-type terminals	
• minimum 2.5 N⋅m	
• maximum 3.5 N·m	
position / of power supply cord Any	
Mechanical Design	
height 90 mm	
width 36 mm	
depth 76 mm	
installation depth 70 mm	
number of modular width units 2	
fastening method Quick assembly system	
mounting position any	
net weight 330 g	
Environmental conditions	
influence of the surrounding temperature max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C	
vibration resistance / acc. to IEC 60068-2-6 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz	
ambient temperature / during operation	
• minimum -25 °C	
• maximum 55 °C	
ambient temperature / during storage	
• minimum -40 °C	
• maximum 75 °C	
number of test cycles / for environmental testing / acc. to IEC 60068-2-30 28	
Certificates	
reference code	
• acc. to DIN EN 61346-2 F	
• acc. to IEC 81346-2 F	





Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY7206-7CC

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY7206-7CC

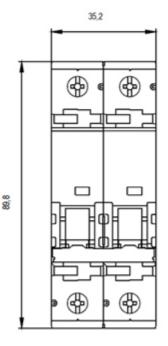
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7206-7CC

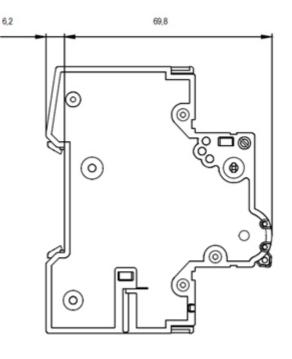
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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