## SIEMENS

## Data sheet

## 5SJ4303-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 3 A, D=70 mm according to UL 489  $\,$ 

Model	
product brand name	SENTRON
product designation	Miniature circuit breakers
design of the product	Miniature circuit-breaker 5SJ4
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	F
overvoltage category	3
degree of pollution	3
Voltage	
insulation voltage (Ui) at AC rated value	440 V
Supply voltage	
supply voltage	
<ul> <li>at AC rated value</li> </ul>	400 V
<ul> <li>at DC rated value</li> </ul>	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
<ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	240 V
<ul> <li>at DC rated value maximum</li> </ul>	60 V
<ul> <li>at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	60 V
<ul> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	125 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors, IP 40 in the handle range
Switching capacity	
switching capacity current	
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W
Current	
operational current	

<ul> <li>at 30 °C rated value</li> </ul>	3 A	
<ul> <li>at 40 °C rated value</li> </ul>	3 A	
<ul> <li>at 45 °C rated value</li> </ul>	2.9 A	
<ul> <li>at 50 °C rated value</li> </ul>	2.8 A	
<ul> <li>at 55 °C rated value</li> </ul>	2.7 A	
<ul> <li>at 60 °C rated value</li> </ul>	2.6 A	
<ul> <li>at AC rated value</li> </ul>	3 A	
Main circuit		
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240	
suitability for operation	Mechanical engineering / industry	
Product details		
product component		
tunnel terminals top	No	
tunnel terminals bottom	No	
combined terminal top	Yes	
combined terminal top     combined terminal bottom	Yes	
neutral conductor switching	No	
product feature		
halogen-free	Yes	
• sealable	Yes	
silicon-free	Yes	
product extension installable supplementary devices	Yes	
Product function		
	Terminal tightoning tergue for Cu 60/75°C: 2 5Nm/211h	in
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb	
Short circuit short-circuit current breaking capacity (Icn) at AC	14 kA	
according to UL 1077 and CSA C22.2 No.235		
Connections		
connectable conductor cross-section finely stranded with		
core end processing		
• minimum	0.75 mm <sup>2</sup>	
• maximum	25 mm <sup>2</sup>	
tightening torque with screw-type terminals maximum	3.5 N·m	
position of power supply cord	Any	
Mechanical Design		
height	110 mm	
width	54 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	3	
fastening method	on standard mounting rail	
mounting position	any	
net weight	484 g	
Environmental conditions		
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)	
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz	
ambient temperature during operation		
• minimum	55 °C	
• maximum	-25 °C	
ambient temperature during operation	max. 95% humidity	
ambient temperature during storage		
• minimum	-40 °C	
maximum	75 °C	eclaration of
General Product Approval		conformity
<u>Confirmation</u>		UМ
(CCC) (Ui)		UK
		ГО
CCC UL	VDE	

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Declaration of Conformity	Test Certificates		other		
CE EG-Konf.	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	Environmental Con- firmations	<u>Miscellaneous</u>	<u>Confirmation</u>

Further information	Further	informatio	on
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Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SJ4303-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4303-7HG41

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

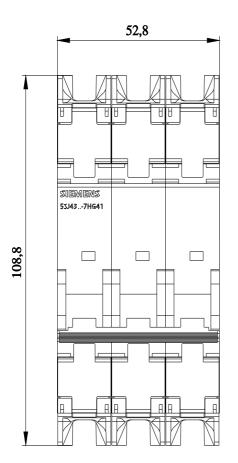
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4303-7HG41

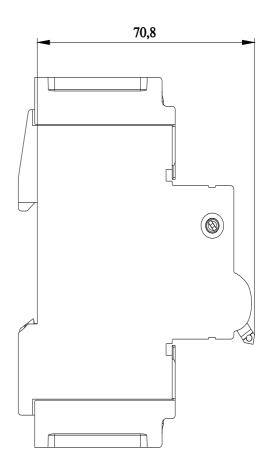
**CAx-Online-Generator** 

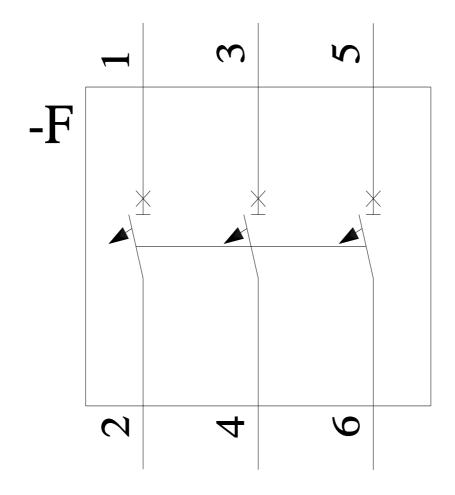
http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







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