## SIEMENS

## Data sheet

## 5SJ4306-8HG41



Miniature circuit breaker 240 V 14kA, 3-pole, D, 6 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	D		
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	2.7 W		
Current			
operational current			

<ul> <li>at 30 °C rated value</li> </ul>	6 A
<ul> <li>at 40 °C rated value</li> </ul>	6 A
<ul> <li>at 45 °C rated value</li> </ul>	5.8 A
<ul> <li>at 50 °C rated value</li> </ul>	5.7 A
<ul> <li>at 55 °C rated value</li> </ul>	5.6 A
<ul> <li>at 60 °C rated value</li> </ul>	5.4 A
<ul> <li>at AC rated value</li> </ul>	6 A
Main circuit	
type of voltage supply at AC according to UL 489 and	240
CSA C22.2 No. 5-02	210
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
sellable     silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	
	Terminal tightering termina for Original 2017580, 0 5New (04th in
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	14 kA
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	485 g
Environmental conditions	· ·
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
vibration resistance according to IEC 60068-2-6	$\pm 1$ mm at 5 to 25 Hz; 50 m/s <sup>2</sup> 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
General Product Approval	Declaration of
Constal Product Approval	Conformity
Confirmation	
(ar) (hr)	
UL	

Subject to change without notice © Copyright Siemens

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

Einthor	information	
	mormation	

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=5SJ4306-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4306-8HG41

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

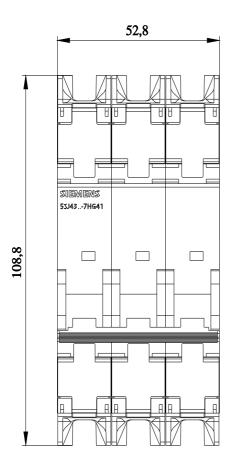
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4306-8HG41

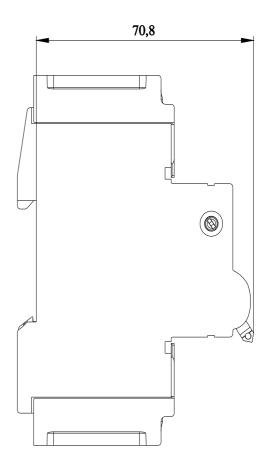
**CAx-Online-Generator** 

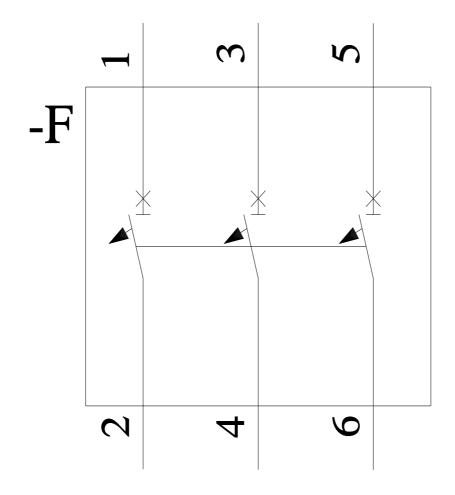
http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







C

Subject to change without notice © Copyright Siemens