## SIEMENS

## Data sheet

## 5SJ4118-7HG41



Miniature circuit breaker 240 V 15kA, 1-pole, C, 15 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	1		
tripping characteristic class	С		
mechanical service life (switching cycles) / typical	10 000		
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)		
reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	F		
overvoltage category	3		
degree of pollution	3		
Voltage			
type of voltage / of the operating voltage	AC/DC		
insulation voltage (Ui) / at AC / rated value	440 V		
Supply voltage			
supply voltage / at AC / rated value	400 V		
operating voltage			
<ul> <li>at AC / acc. 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 / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	60 V		
<ul> <li>at DC / 2-channel / acc. to UL 489 and CSA C22.2</li> <li>No. 5-02 / maximum</li> </ul>	125 V		
Protection class			
protection class IP	IP20, with connected conductors, IP 40 in the handle range		
Switching capacity			
switching capacity current			
<ul> <li>acc. to EN 60898 / rated value</li> </ul>	10 kA		
<ul> <li>acc. 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	1.9 W		
Current			
operational current			
<ul> <li>at 30 °C / rated value</li> </ul>	15 A		
<ul> <li>at 40 °C / rated value</li> </ul>	15 A		
● at 45 °C / rated value	14.6 A		

<ul> <li>at 50 °C / rated value</li> </ul>	14.1 A			
• at 55 °C / rated value				
at 55 °C / rated value	13.6 A			
at AC / rated value	13.2 A 15 A			
	15 A			
Main circuit	0.40			
type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	240			
suitability for operation	Mechanical engineering / industry			
Product details				
product component / neutral conductor switching	No			
product feature / touch protection	Yes			
product component				
<ul> <li>tunnel terminals top</li> </ul>	No			
<ul> <li>tunnel terminals bottom</li> </ul>	No			
<ul> <li>combined terminal top</li> </ul>	Yes			
combined terminal bottom	Yes			
product feature				
<ul> <li>halogen-free</li> </ul>	Yes			
• sealable	Yes			
silicon-free	Yes			
product extension / installable / supplementary devices	Yes			
Product function				
product function / note	Terminal tightening torque for	or Cu, 60/75°C; 3.5Nm/	31lb.in	
Short circuit				
breaking capacity short-circuit current (Icn) / at AC / acc. 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 mm²			
tightening torque / with screw-type terminals / maximum	3.5 N·m			
position / of power supply cord	Any			
Mechanical Design				
height	110 mm			
width	18 mm			
depth	70 mm			
installation depth	70 mm			
number of modular width units	1			
fastening method	on standard mounting rail			
mounting position	any			
net weight	169 g			
Environmental conditions				
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and	60m/s <sup>2</sup> at 35Hz (4sec)		
ambient temperature / during operation				
• minimum	55 °C			
• maximum	-25 °C			
ambient temperature / during storage				
• minimum	-40 °C			
• maximum	75 °C			
Certificates				
reference code				
• acc. to DIN EN 61346-2	F			
• acc. to IEC 81346-2	F			
General Product Approval		Declaration of Conformity	Test Certificates	

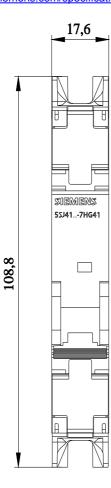


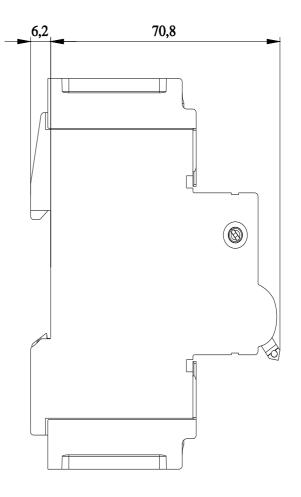
Special Test Certific- Miscellaneous ate

## 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=5SJ4118-7HG41 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4118-7HG41 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4118-7HG41 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

http://www.siemens.com/specifications





Ø