## SIEMENS

## Data sheet

## 5SJ4118-6HG40



Miniature circuit breaker 240 V 14kA, 1-pole, B, 15 A, D=70 mm according to UL 489, equal polarity

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			
design of pole	1P			
tripping characteristic class	В			
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				
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			
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>	120 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			
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 W			
Current				
operational current				
<ul> <li>at 30 °C rated value</li> </ul>	15 A			
• at 40 °C rated value	15 A			
• at 45 °C rated value	14.6 A			

• at 50 °C rated value	14.1 A		
• at 55 °C rated value	13.6 A		
• at 60 °C rated value	13.2 A		
at AC rated value	15 A		
Main circuit			
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240/120		
suitability for operation	Mechanical engineering / industry		
Product details			
product component			
<ul> <li>tunnel terminals top</li> </ul>	No		
tunnel terminals bottom	No		
<ul> <li>combined terminal top</li> </ul>	Yes		
<ul> <li>combined terminal bottom</li> </ul>	Yes		
<ul> <li>neutral conductor switching</li> </ul>	No		
product feature			
halogen-free	Yes		
• sealable	Yes		
• silicon-free	Yes		
product extension installable supplementary devices	Yes		
Product function			
product function note	Terminal tightening torgue for Cu, 60/75°C; 3.5Nm/31lb.in		
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	0.75 mm²		
• 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	90 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	167 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		
General Product Approval	Declaration of Conformity		
Test Certificates other			

Miscellaneous	Special Test Certific-	Environmental Con-	Miscellaneous
	ate	firmations	

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=5SJ4118-6HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4118-6HG40

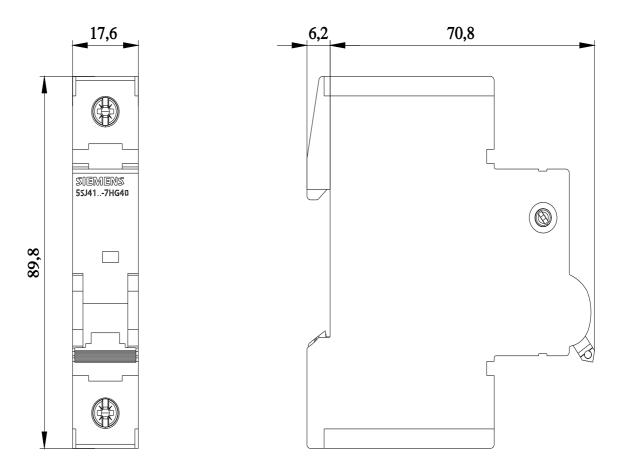
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4118-6HG40

**CAx-Online-Generator** http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



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