## **SIEMENS**

Data sheet 5SJ4135-8HG41



Miniature circuit breaker 240 V 10kA, 1-pole, D, 35 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	D		
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 / 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			
• acc. to EN 60898 / rated value	10 kA		
• acc. to IEC 60947-2 / rated value	15 kA		
Dissipation			
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.4 W		
Current			
operational current			
<ul><li>at 30 °C / rated value</li></ul>	35 A		

<ul> <li>at 40 °C / rated value</li> </ul>	35 A			
<ul> <li>at 45 °C / rated value</li> </ul>	34 A			
<ul> <li>at 50 °C / rated value</li> </ul>	32.9 A			
<ul> <li>at 55 °C / rated value</li> </ul>	31.8 A			
<ul> <li>at 60 °C / rated value</li> </ul>	30.8 A			
<ul><li>at AC / rated value</li></ul>	35 A			
Main circuit				
type of voltage supply / at AC / acc. to UL 489 and CSA	240			
C22.2 No. 5-02				
suitability for operation	Mechanical engineering / in	dustry		
Product details				
product function / 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				
halogen-free	Yes			
• sealable	Yes			
• silicon-free	Yes			
product extension / installable / supplementary devices	Yes			
Product function	100			
product function / note	Terminal tightening torque for	or Cu. 60/75°C: 3 5Nm/	/31lh in	
·	reminal tightening torque is	or Gu, 00/13 G, 3.3Mill/	3 Hb.III	
Short circuit breaking capacity short-circuit current (lcn) / at AC / acc.	10 kA			
to UL 1077 and CSA C22.2 No.235				
Connections				
connectable conductor cross-section / finely stranded / with core end processing				
• minimum	0.75 mm²			
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	178 g			
Environmental conditions				
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and	60m/s² 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			
		Declaration of		
General Product Approval		Conformity	Test Certificates	











CE EG-Konf.

**Test Certificates** 

other

Special Test Certific-

<u>ate</u>

Miscellaneous

## **Further information**

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4135-8HG41}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4135-8HG41

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

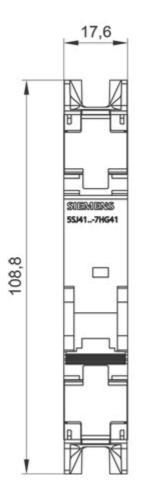
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4135-8HG41

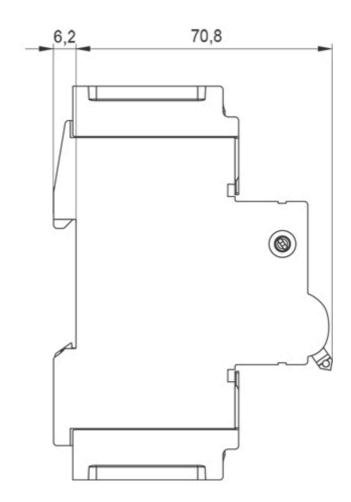
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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