SIEMENS

Data sheet

5SJ4218-8HG41



Miniature circuit breaker 240 V 14kA, 2-pole, D, 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	2	
number of poles / note	2P	
tripping characteristic class	D	
mechanical service life (switching cycles) / typical	20 000	
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		
insulation voltage / at AC / rated value	440 V	
Supply voltage		
type of voltage	AC/DC	
operational current / at AC / rated value	15 A	
supply voltage / at AC / rated value	400 V	
operating voltage		
 at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	240 V	
 at DC / rated value / maximum 	60 V	
 at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	60 V	
 at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	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		
 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	1.7 W	

hot operating state / per pole		
Main circuit		
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 function / neutral conductor switching	No	
product feature / touch protection	Yes	
product component		
	No	
 tunnel terminals top tunnel terminals bottom 	No	
combined terminal top	Yes	
·	Yes	
combined terminal bottom		
product feature	Yes	
halogen-free		
• sealable	Yes	
silicon-free	Yes	
product extension / installable / supplementary devices	Yes	
Product function		
product function / note	Terminal tightening torque for 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	1.5 mm ²	
• maximum	25 mm²	
position / of power supply cord	Any	
Mechanical Design		
height	90 mm	
width	36 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	2	
fastening method	on standard mounting rail	
mounting position	any	
net weight	327 g	
Environmental conditions	521 g	
	may 05% humidity	
influence of the surrounding temperature vibration resistance	max. 95% humidity 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)	
vibration resistance / acc. to IEC 60068-2-6	50 m/s° at 25 to 150Hz and 60m/s ^o at 35Hz (4sec) 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)	
ambient temperature	30 m/s at 25 to 150m2 and 00m/s" at 55m2 (4Sec)	
	-25 °C	
● minimum ● maximum	-25 °C	
ambient temperature / during storage	40 °C	
• minimum	-40 °C 75 °C	
• maximum	75 0	
Certificates		
reference code		
• acc. to DIN EN 61346-2	F	
• acc. to IEC 81346-2	F	
General Product Approval		Declaration of Conformity













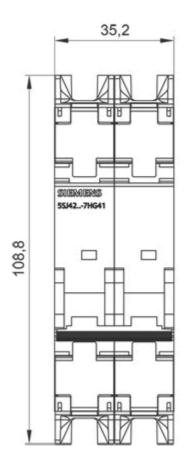
Test Certificates

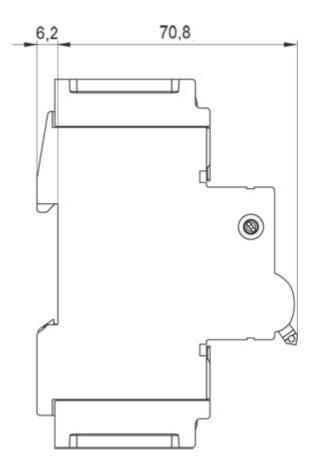
<u>Miscellaneous</u>

<u>Special Test</u> <u>Certificate</u>

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=5SJ4218-8HG41 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4218-8HG41 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4218-8HG41 Tender specifications http://www.siemens.com/specifications





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