SIEMENS

Data sheet

5SJ4316-8HG41



Miniature circuit breaker 240 V 14kA, 3-pole, D, 16A, D=70 mm according to UL 489 $\,$

Model	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					
 at AC rated value 	400 V				
 at DC rated value 	60 V				
value range of the supply voltage frequency	50/60 Hz				
operating voltage					
 at AC according to UL 489 and CSA C22.2 No. 5-02 maximum 	240 V				
 at DC rated value maximum 	60 V				
 at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	60 V				
 at DC 2-channel according 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					
 according to EN 60898 rated value 	10 kA				
 according 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	2.1 W				
Current					
operational current					

 at 30 °C rated value 	16 A
 at 40 °C rated value 	16 A
 at 45 °C rated value 	15.5 A
 at 50 °C rated value 	15.2 A
 at 55 °C rated value 	14.8 A
 at 60 °C rated value 	14.4 A
at AC rated value	16 A
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
suitability for operation	Mechanical engineering / industry
Product details	
product component	
• tunnel terminals top	No
tunnel terminals bottom	No
 combined terminal top 	Yes
combined terminal bottom	Yes
 neutral conductor switching 	No
product feature	
 halogen-free 	Yes
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	
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 • minimum	0.75 mm²
• maximum	25 mm ²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	, wy
	110 mm
height 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	490 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	± 1 mm at 5 to 25 Hz; 50 m/s ² 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
Confirmation	rnr ce UK
(u) (u)	
CCC UL	EG-Konf.

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Test Certificates		other		
Miscellaneous	Special Test Certific- ate	<u>Miscellaneous</u>	Confirmation	Environmental Con- firmations

Further information

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=5SJ4316-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4316-8HG41

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

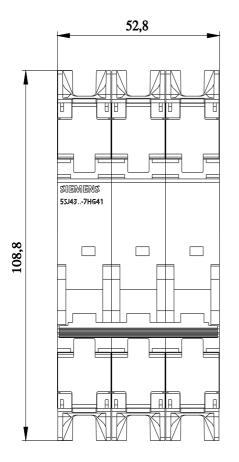
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4316-8HG41

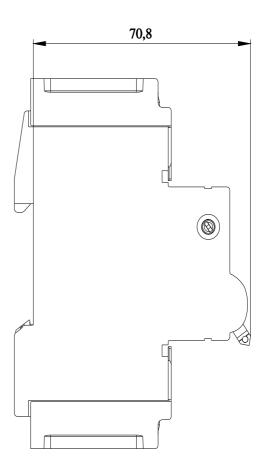
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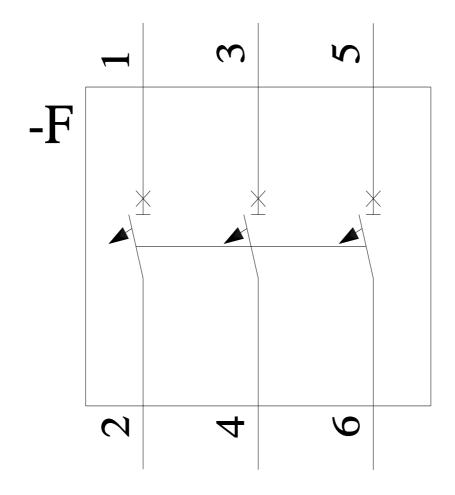
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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