SIEMENS

Data sheet 5SJ4350-7HG41



Miniature circuit breaker 240 V 10kA, 3-pole, C, 50 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	3		
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			
 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		
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	6.3 W		
Current			
operational current			
at 30 °C / rated value	50 A		

 at 40 °C / rated value 	50 A				
at 45 °C / rated value	49 A				
 at 50 °C / rated value 	48 A				
at 55 °C / rated value	46.9 A				
at 60 °C / rated value	46 A				
at AC / rated value	50 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 / ind	dustry			
Product details					
product component / neutral conductor switching	No				
product feature / touch protection	Yes				
product component					
 tunnel terminals top 	No				
• tunnel terminals bottom	No				
 combined terminal top 	Yes				
combined terminal bottom	Yes				
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	or Cu_60/75°C: 3.5Nm/	31lh in		
Short circuit	reminal agricuming torque is	0, 00, 00, 00, 0.0, 0.0, 0.0, 0.0, 0.0,	5 115.III		
breaking capacity short-circuit current (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235	10 kA				
Connections					
connectable conductor cross-section / finely stranded /					
with core end processing					
• minimum	0.75 mm ²				
• 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	54 mm				
depth	70 mm				
installation depth	70 mm 70 mm				
number of modular width units	70 mm 3				
fastening method	on standard mounting rail				
mounting position					
net weight	any 514 g				
Environmental conditions	J17 9				
	E0 m/s2 ct 05 to 45011	COmp/o2 at OFI I: //			
vibration resistance	50 m/s² at 25 to 150Hz and	oum/s² at 35Hz (4sec)			
ambient temperature / during operation	EE °C				
• minimum	55 °C				
• maximum	-25 °C				
ambient temperature / during storage	40.00				
• 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		











CE EG-Konf.

Test Certificates

other

Special Test Certific-

Miscellaneous

<u>ate</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=5SJ4350-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4350-7HG41

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

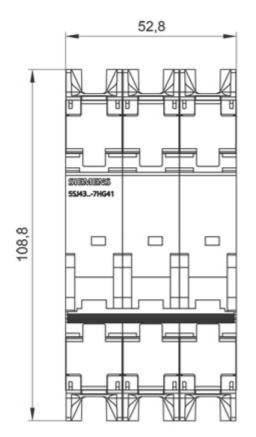
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4350-7HG41

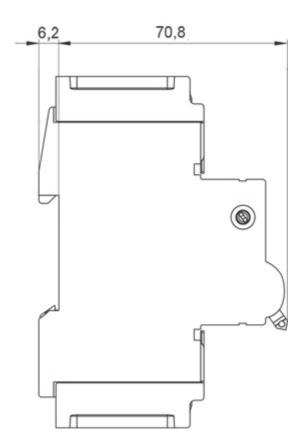
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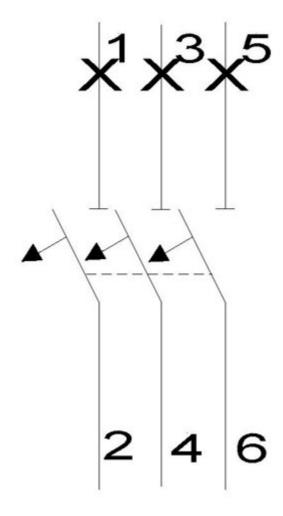
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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