SIEMENS

Data sheet

5SJ4232-7HG41



Miniature circuit breaker 240 V 14kA, 2-pole, C, 32 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			
design of pole	2P			
tripping characteristic class	C			
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	3.9 W			
Current				
operational current				

 at 30 °C rated value 	32 A		
 at 40 °C rated value 	32 A		
 at 45 °C rated value 	31 A		
 at 50 °C rated value 	30.4 A		
 at 55 °C rated value 	29.6 A		
 at 60 °C rated value 	28.8 A		
 at AC rated value 	32 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		
	Mechanical engineering / moustry		
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	14 1/4		
Connections			
connectable conductor cross-section finely stranded with core end processing			
• minimum	0.75 mm ²		
• maximum	25 mm ²		
tightening torque with screw-type terminals maximum	3.5 N·m		
position of power supply cord	Any		
Mechanical Design			
height	110 mm		
width	36 mm		
depth	70 mm		
installation depth	70 mm		
number of modular width units	2		
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fastening method	on standard mounting rail		
mounting position	any 333 a		
net weight	333 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		

Test Certificates	Test	Certificates	
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other

Miscellaneous

Special Test Certific-

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Confirmation

Environmental Confirmations

Miscellaneous

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=5SJ4232-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4232-7HG41

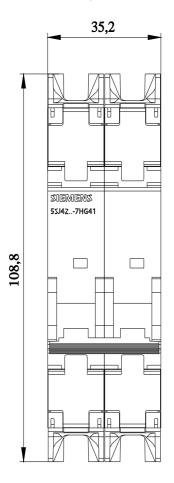
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4232-7HG41

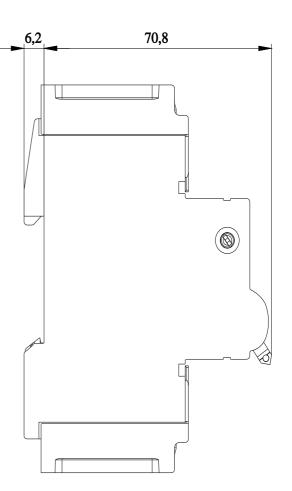
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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