## **SIEMENS**

Data sheet 5SJ4332-7HG42



Circuit breaker 10kA, 3-pole, C, 32A according to UL 489-480Y/277V

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	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	
<ul> <li>at AC rated value</li> </ul>	400 V
<ul> <li>at DC rated value</li> </ul>	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
<ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	277 V
<ul> <li>at DC rated value maximum</li> </ul>	60 V
<ul> <li>at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	60 V
<ul> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	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	
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	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	

<ul> <li>at 30 °C rated value</li> </ul>	32 A
<ul> <li>at 40 °C rated value</li> </ul>	32 A
<ul> <li>at 45 °C rated value</li> </ul>	31 A
<ul> <li>at 50 °C rated value</li> </ul>	30.4 A
<ul> <li>at 55 °C rated value</li> </ul>	29.6 A
<ul> <li>at 60 °C rated value</li> </ul>	28.8 A
<ul> <li>at AC rated value</li> </ul>	32 A
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	480/277
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	160
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
·	Terminal dignitering torque for Cu, 60/75 C, 5.5(4)(7) Tib.iii
Short circuit	
short-circuit current breaking capacity (Icn) at AC according 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 <sup>2</sup>
<ul><li>maximum</li></ul>	25 mm²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	121 mm
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	498 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/s² 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
<ul><li>maximum</li></ul>	75 °C
General Product Approval	75 °C  Declaration of Conformity



Confirmation









Special Test Certificate

Environmental Confirmations

**Miscellaneous** 

Confirmation

## **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=5SJ4332-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4332-7HG42

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

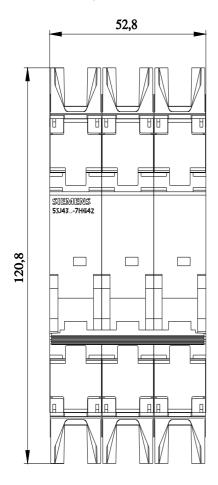
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4332-7HG42

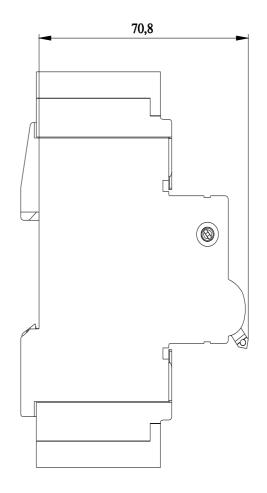
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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