



Figure similar

Circuit breaker 10kA, 2-pole, D, 10 A 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	2
design of pole	2P
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
operational current	
at 30 °C rated value	10 A
at 40 °C rated value	10 A
at 50 °C rated value	9.4 A
at 55 °C rated value	9.1 A
at 60 °C rated value	0.88 A
at AC rated value	10 A
Supply voltage	
supply voltage	
at AC	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	277 V
at DC rated value maximum	60 V
at DC 1-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
Breaking Capacity	

switching capacity current	
according to EN 60898 rated value	10 kA
according to IEC 60947-2 rated value	15 kA
<b>Dissipation</b>	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.3 W
<b>Main circuit</b>	
<b>type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02</b>	480/277
<b>suitability for operation</b>	Infrastructure / Industry
<b>Product details</b>	
<b>product feature touch protection</b>	Yes
product component	
tunnel terminals top	No
tunnel terminals bottom	No
combined terminal top	Yes
combined terminal bottom	Yes
neutral conductor switching	No
<b>product feature</b>	
halogen-free	Yes
sealable	Yes
silicon-free	Yes
product extension installable supplementary devices	Yes
<b>Product function</b>	
<b>set values setting current (li) for I-tripping</b>	14
<b>reference value setting current (li) for I-tripping</b>	x I <sub>n</sub>
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
<b>Short circuit</b>	
short-circuit current breaking capacity (I <sub>cn</sub> ) at AC according to UL 1077 and CSA C22.2 No.235	10 kA
<b>Connections</b>	
<b>connectable conductor cross-section finely stranded with core end processing</b>	
minimum	0.75 mm <sup>2</sup>
maximum	25 mm <sup>2</sup>
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
<b>Mechanical Design</b>	
<b>height</b>	121 mm
<b>width</b>	36 mm
<b>depth</b>	70 mm
<b>installation depth</b>	70 mm
<b>number of modular width units</b>	2
<b>fastening method</b>	on standard mounting rail
<b>mounting position</b>	any
<b>net weight</b>	338 g
<b>Environmental conditions</b>	
<b>standard</b>	IEC / EN 60947-2 / UL 489
<b>vibration resistance</b>	50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz
<b>ambient temperature during operation</b>	
minimum	-25 °C
maximum	55 °C
<b>ambient temperature during operation</b>	max. 95% humidity
<b>ambient temperature during storage</b>	
minimum	-40 °C
maximum	75 °C
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	



[Confirmation](#)



General Product Approval	Test Certificates	other	Environment		
	<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>	<a href="#">Environmental Confirmations</a>	<a href="#">Environmental Confirmations</a>

#### 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=5SJ4210-8HG42>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4210-8HG42>

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

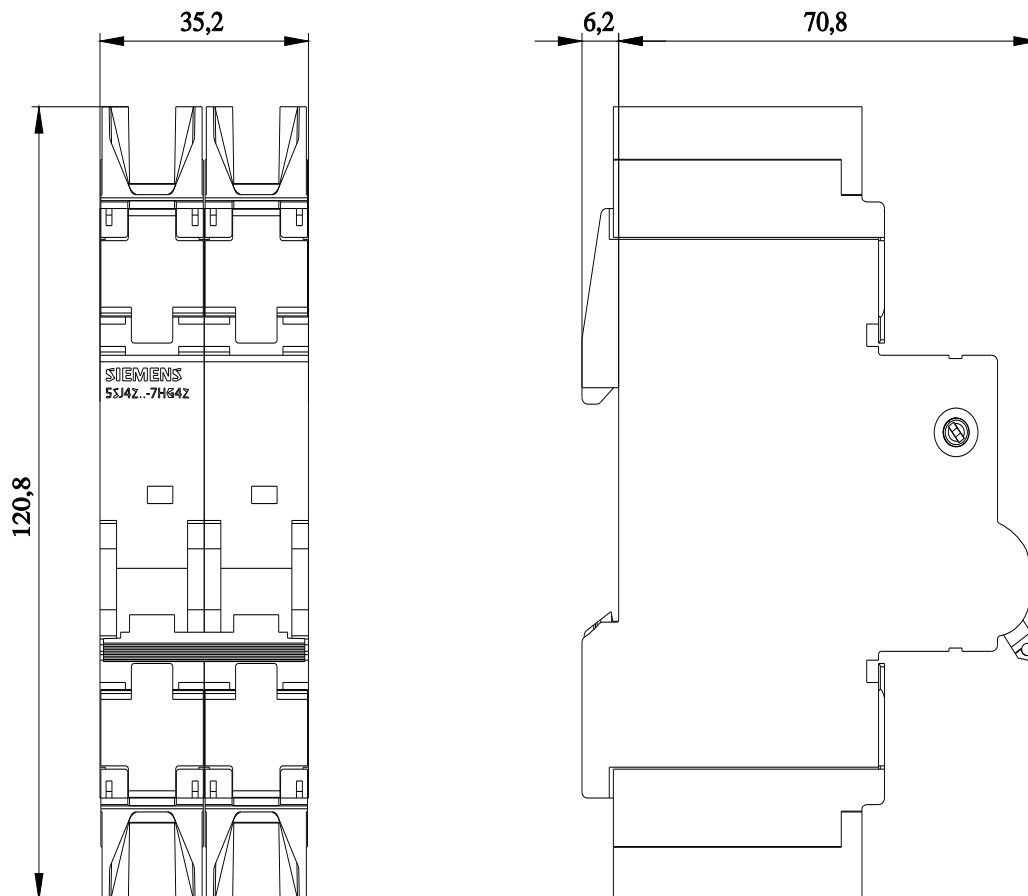
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4210-8HG42](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4210-8HG42)

##### CAX-Online-Generator

<http://www.siemens.com/cax>

##### Tender specifications

<http://www.siemens.com/specifications>



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