SIEMENS

Data sheet 5SJ4204-8HG42



Circuit breaker 10kA, 2-pole, D, 4 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	Williada Conodit Broaker Coo I	
number of poles	2	
number of poles / note	2P	
tripping characteristic class	D	
mechanical service life (switching cycles) / typical	20 000	
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		
insulation voltage / at AC / rated value	440 V	
Supply voltage		
type of voltage	AC/DC	
operational current / at AC / rated value	4 A	
supply voltage / at AC / rated value	400 V	
operating voltage		
 at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	277 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	
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		
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	1.6 W	

hot operating state / per pole			
Main circuit			
type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	480/277		
suitability for operation	Mechanical engineering / industry		
Product details			
product function / neutral conductor switching	No		
product feature / touch protection	Yes		
product component	163		
tunnel terminals top	No		
tunnel terminals top tunnel terminals bottom	No		
combined terminal top combined terminal better	Yes		
combined terminal bottom	Yes		
product feature	Voc		
• 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			
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	1.5 mm ²		
• maximum	25 mm²		
position / of power supply cord	Any		
Mechanical Design			
height	121 mm		
width	36 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	2		
fastening method	on standard mounting rail		
mounting position	any		
net weight	333 g		
Environmental conditions	555 g		
	may 050/ humidit:		
influence of the surrounding temperature	max. 95% humidity		
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)		
vibration resistance / acc. to IEC 60068-2-6	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)		
ambient temperature	05.00		
• minimum	-25 °C		
• maximum	55 °C		
ambient temperature / during storage			
• 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

Special Test Certificate

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=5SJ4204-8HG42

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

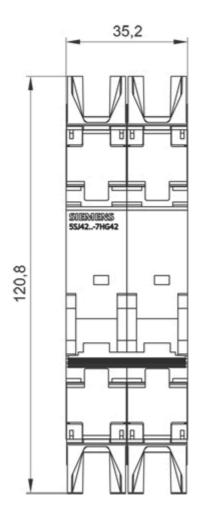
https://support.industry.siemens.com/cs/ww/en/ps/5SJ4204-8HG42

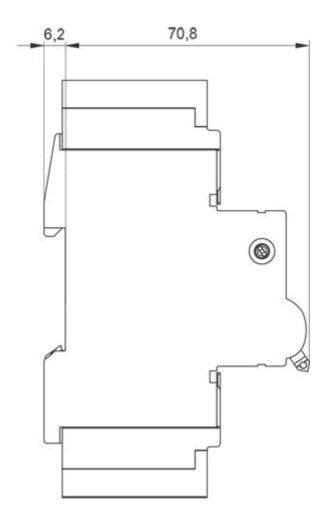
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4204-8HG42

Tender specifications

http://www.siemens.com/specifications





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