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Data sheet

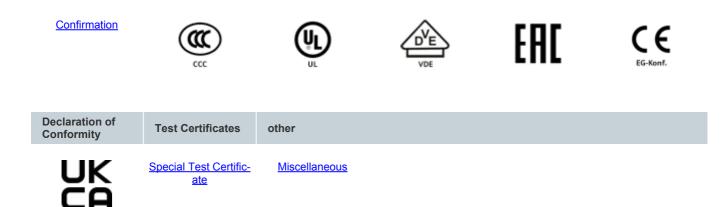
5SJ4203-7HG42



Circuit breaker 10kA, 2-pole, C, 3 A according to UL 489-480Y/277V

	ircuit breakers ircuit-breaker 5SJ4	
design of the productMiniature cGeneral technical datanumber of poles2		
General technical data number of poles 2	ircuit-breaker 5SJ4	
number of poles 2		
tripping characteristic class		
mechanical service life (switching cycles) / typical 10 000		
installation environment regarding EMC Suitable for	environment B (immunity to interference not applicable)	
reference code / according to DIN 40719 extended F according to IEC 204-2 / according to IEC 750		
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 / according to UL 489 and CSA C22.2 No. 5- 02 / maximum		
• at DC / rated value / maximum 60 V		
• at DC / single channel / according to UL 489 and 60 V CSA C22.2 No. 5-02 / maximum		
at DC / 2-channel / according to UL 489 and CSA 125 V C22.2 No. 5-02 / maximum		
supply voltage frequency / rated value 50 Hz		
Protection class		
protection class IP IP20, with c	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 1.8 W hot operating state / per pole		
Current		
operational current		
• at 30 °C / rated value 3 A		
• at 40 °C / rated value 3 A		

• at 45 °C / rated value	2.9 A	
• at 50 °C / rated value	2.8 A	
• at 55 °C / rated value	2.7 A	
 at 60 °C / rated value 	2.6 A	
 at AC / rated value 	3 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 / 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 top	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 / 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 mm²	
• maximum	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	36 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	2	
fastening method	on standard mounting rail	
mounting position	any	
net weight	332 g	
Environmental conditions		
vibration resistance	50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)	
ambient temperature / during operation		
• minimum	55 °C	
• maximum	-25 °C	
ambient temperature / during storage		
• minimum	-40 °C	
• maximum	75 °C	
Certificates		
reference code		
according to EN 61346-2	F	
according to IEC 81346-2	F	
		Declaration of
General Product Approval		Conformity



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=5SJ4203-7HG42 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4203-7HG42 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4203-7HG42 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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