

Circuit breaker 10kA, 3-pole, C, 10 A according to UL 489-480Y/277V Multi-Unit Packaging (24 Stück)

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
- operational current - at 30 °C rated value - at 40 °C rated value - at 50 °C rated value - at 55 °C rated value - at 60 °C rated value - operational current at AC rated value	10 A 10 A 9.4 A 9.1 A 0.88 A 10 A
Supply voltage	
supply voltage - at AC - at DC rated value	400 V 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 - at DC rated value maximum - at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum - at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum	277 V 60 V 60 V 125 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP 0 in the handle range
Breaking Capacity	
switching capacity current - according to EN 60898 rated value - according to IEC 60947-2 rated value	10 kA 15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.4 W
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	480/277
suitability for operation	Infrastructure / Industry

Product details		
product feature touch protection		Yes
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
product feature sealable		Yes
product feature silicon-free		Yes
product extension installable supplementary devices		Yes
Product function		
set values setting current (Ii) for I-tripping		7,5
reference value setting current (Ii) for I-tripping		x In
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 according to UL 1077 and CSA C22.2 No.235		10 kA
Connections		
connectable conductor cross-section finely stranded with core end processing		
• minimum		0.8 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		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		497.7 g
Environmental conditions		
standard		IEC / EN 60947-2 / UL 489
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		-25 °C
• maximum		55 °C
ambient temperature during operation		max. 95% humidity
ambient temperature during storage		
• minimum		-40 °C
• maximum		75 °C
Approvals Certificates		
Environment	General Product Approval	Test Certificates
Environmental Conformations	Environmental Conformations	Confirmation
		Special Test Certificate
		
other		

[Confirmation](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4310-7HG42-Z W13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4310-7HG42-Z W13>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4310-7HG42-Z W13

CAX-Online-Generator

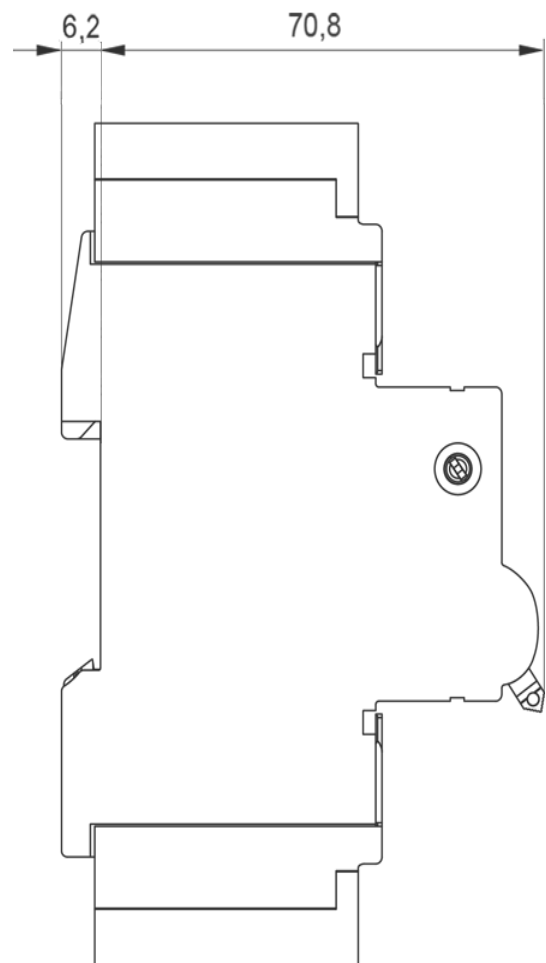
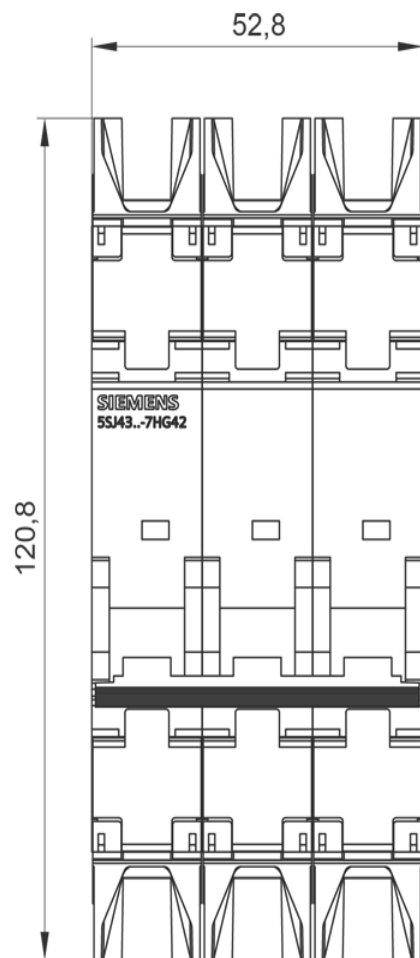
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)



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