

Miniature circuit breaker 240 V 10kA, 2-pole, D, 25A, D=70 mm according to UL 489

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 - 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	25 A 25 A 23.8 A 23.1 A 22.5 A 25 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	240 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	2.9 W
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
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	14	
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	0.75 mm²	
• maximum	25 mm²	
tightening torque with screw-type terminals maximum	3.5 N·m	
position of power supply cord	Any	
Mechanical Design		
height	110 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	334 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	
Environmental Con- firmations	Environmental Con- firmations	
		
		
		
General Product Approval	Test Certificates	other



[Confirmation](#)



EG-Konf.



[Special Test Certificate](#)

[Confirmation](#)

other



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=5SJ4225-8HG41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4225-8HG41>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4225-8HG41

CAX-Online-Generator

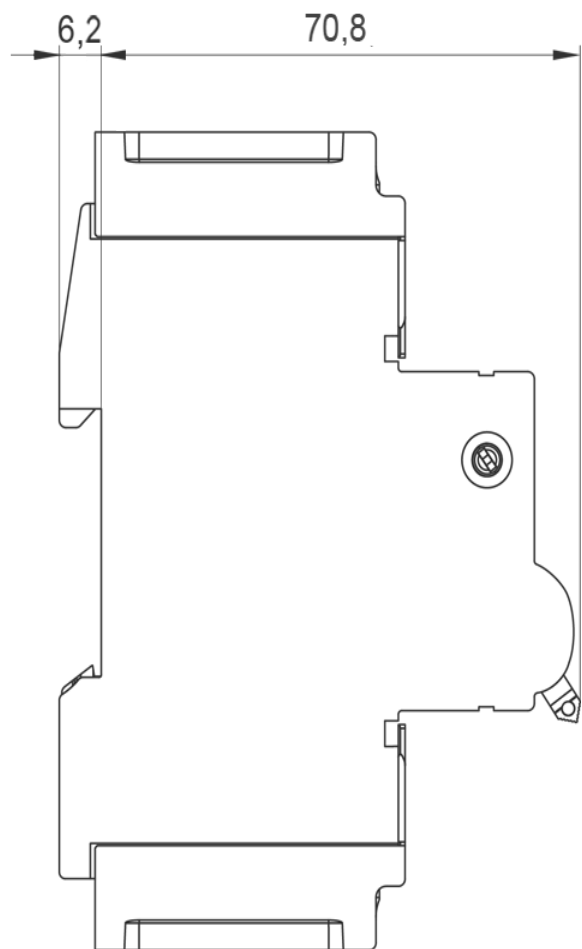
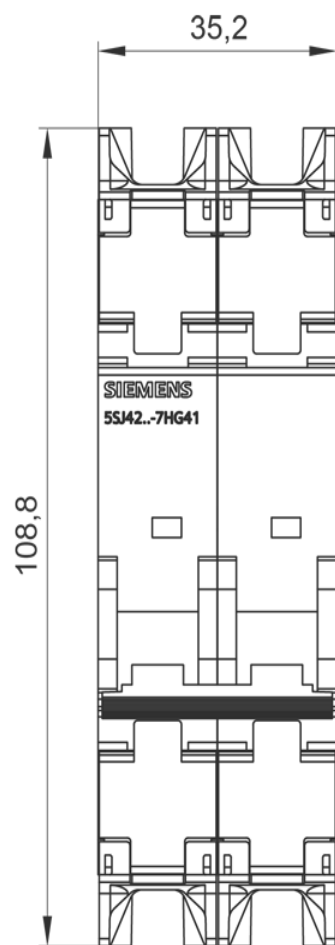
<https://www.siemens.com/cax>

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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