

Circuit breaker 10kA, 2-pole, D, 25A according to UL 489-480Y/277V



Model	
Product brand name	SETRON
Product designation	Miniature circuit breakers
Design of the product	Miniature circuit-breaker 5SJ4
General technical data	
Number of poles	2
Number of poles / Note	2P
Tripping characteristic class	D
Installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
circuit-breaker / Design	5SJ4
Mechanical service life (switching cycles) / typical	20 000
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	F
Overvoltage category	3
Voltage	
Insulation voltage / at AC / rated value	440 V
Supply voltage	

Type of voltage	AC/DC
Current / at AC / rated value	25 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 • at DC / rated value / maximum • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. 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	IP20, with connected conductors, IP 40 in the handle range
Switching capacity	
Switching capacity current • acc. to EN 60898 / rated value • acc. 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	2.6 W
Current	
Tripping residual / rated value / derated current / at 40 Cel	25 A
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 • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom	No No Yes Yes
Product feature • halogen-free • sealable • silicon-free	Yes Yes 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 (I _{cn}) / 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 mm ²
Position / of power supply cord	Any
Mechanical Design	
Height	121 mm
Width	36 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	2
Mounting type	on standard mounting rail
Mounting position	any
Net weight	338 g
Environmental conditions	
Influence of the surrounding temperature	max. 95% humidity
Vibration resistance	50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6	50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
Ambient temperature	
• 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 DIN EN 81346-2	F

General Product Approval			Declaration of Conformity	Test Certificates
				Special Test Certificate
CCC	UL	VDE	EG-Konf.	

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=5SJ4225-8HG42>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4225-8HG42>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4225-8HG42

CAX-Online-Generator

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

Tender specifications

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



