

CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 10A, D=70MM ACC. TO UL 489



Model	
product brandname	SENTRON
General technical data	
Number of poles	1
Number of poles / Note	1P
Tripping characteristic class	C
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
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	F
Overvoltage category	3
Voltage	
Type of voltage	AC/DC
Insulation voltage / at AC / rated value	440 V
Supply voltage	
Supply voltage / at AC / rated value	400 V

Supply voltage frequency / rated value	50 Hz
<b>Protection class</b>	
<b>Protection class IP</b>	IP20, with connected conductors, IP 40 in the handle range
<b>Switching capacity</b>	
<b>Switching capacity current</b>	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	15 kA
<b>Dissipation</b>	
<b>Power loss [W]</b>	
• for rated value of the current / at AC / in hot operating state / per pole	1.4 W
• maximum	1 W
<b>Electricity</b>	
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	10 A
Current / at AC / rated value	10 A
<b>Main circuit</b>	
<b>Operating voltage</b>	
• minimum	24 V
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	240 V
• at DC / 1-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
• at DC / rated value / maximum	60 V
<b>Product details</b>	
Product feature / Touch protection	Yes
<b>Product component</b>	
• Tunnel terminals top	No
• Tunnel terminals bottom	No
• combined terminal top	Yes
• combined terminal bottom	Yes
<b>Product feature</b>	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Product function</b>	
<b>Product function</b>	

- Note
- neutral conductor switching

Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in

No

### Short circuit

Breaking capacity short-circuit current (I<sub>cn</sub>) / at AC / acc. to UL 1077 and CSA C22.2 No.235 14 kA

### Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 6

### Connections

Connectable conductor cross-section / finely stranded / with core end processing

- minimum 1.5 mm<sup>2</sup>
- maximum 25 mm<sup>2</sup>

Position / of power supply cord Any

### Mechanical Design

**Height** 110 mm

**Width** 18 mm

**Depth** 70 mm

**Mounting position** any

**Installation depth** 70 mm

**Number of width units** 1

**Mounting type** on standard mounting rail

### Environmental conditions

**Degree of pollution** 3

**Influence of the surrounding temperature** max. 95% humidity

**Vibration resistance** 50 m/s<sup>2</sup> at 25 to 150Hz and 60m/s<sup>2</sup> at 35Hz (4sec)

Vibration resistance / acc. to IEC 60068-2-6 50 m/s<sup>2</sup> at 25 to 150Hz and 60m/s<sup>2</sup> at 35Hz (4sec)

**Ambient temperature**

- minimum -25 °C
- maximum 55 °C
- during storage / minimum -40 °C
- during storage / maximum 75 °C

### Certificates

**Equipment marking**

- acc. to DIN EN 61346-2 F
- acc. to DIN EN 81346-2 F

General Product Approval	Declaration of Conformity	Test Certificates
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CCC



UL



VDE



EG-Konf.

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**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=5SJ4110-7HG41>

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

<http://support.automation.siemens.com/WW/view/en/5SJ4110-7HG41/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4110-7HG41](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4110-7HG41)

**CAX-Online-Generator**

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

**Tender specifications**

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



