

Miniature circuit breaker 230 V 6kA, 1+N-pole/1 MW, N left C 25A



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
General technical data	
Number of poles / Note	1P+N
Tripping characteristic class	C
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Voltage	
Supply voltage / with single-phase operation / at AC / rated value	230 V
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	25 A
Supply voltage	
• at AC / rated value	230 V
Operating voltage	
• minimum	24 V

- with single-phase operation / at AC / maximum 250 V

### Protection class

Protection class IP	IP20, with connected conductors
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### Switching capacity

Switching capacity current	
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>	6 kA
Energy limiting class	3

### Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.1 W
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### Product details

Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product component	
<ul style="list-style-type: none"> <li>• combined terminal top</li> <li>• combined terminal bottom</li> </ul>	No No
Product feature	
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> <li>• halogen-free</li> <li>• sealable</li> <li>• silicon-free</li> </ul>	No Yes Yes Yes

### Connections

<ul style="list-style-type: none"> <li>• Connectable conductor cross-section           <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> </ul> </li> <li>• Connectable conductor cross-section / finely stranded / with core end processing</li> </ul>	0.75 ... 16 mm <sup>2</sup> 0.75 ... 16 mm <sup>2</sup> 0.75 ... 10 mm <sup>2</sup>
Tightening torque [lbf·in] / with screw-type terminals	17.7 ... 22.1 lbf·in
Tightening torque / with screw-type terminals	2 ... 2.5 N·m
Position / of power supply cord	Any

### Mechanical Design

Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1
Mounting type	standard rail
Mounting position	any
Net weight	126 g

## Environmental conditions

Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C

## Certificates

Reference code	F
• acc. to DIN EN 81346-2	

### General Product Approval

### Declaration of Conformity



CCC



VDE

[Miscellaneous](#)



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=5SY6025-7KL>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY6025-7KL>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY6025-7KL](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6025-7KL)

### CAX-Online-Generator

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

### Tender specifications

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



