

Miniature circuit breaker 400 V 25kA, 4-pole, 10A, D=70 mm only magnetic tripping



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	Only magnetic tripping operation
General technical data	
Number of poles	4
Number of poles / Note	4P
Tripping characteristic class	D
Mechanical service life (switching cycles) / typical	10 000
Overtoltage category	III
Voltage	
Insulation voltage	
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	440 V
<ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>	440 V
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	10 A

Supply voltage	
<ul style="list-style-type: none"> <li>• at AC / rated value</li> </ul>	400 V
Operating voltage	
<ul style="list-style-type: none"> <li>• at DC / rated value / maximum</li> </ul>	72 V
Supply voltage frequency	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	50/60 Hz

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> <li>• acc. to IEC 60947-2 / rated value</li> </ul>	40 kA

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.9 W
Suitability for operation	Mechanical engineering / industry

Product details	
Product function / neutral conductor switching	No
Product feature / Touch protection	Yes
Product component	
<ul style="list-style-type: none"> <li>• combined terminal top</li> <li>• combined terminal bottom</li> </ul>	Yes Yes
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>	Yes Yes Yes Yes
Product extension / can be installed / supplementary devices	Yes

Short circuit	
Breaking capacity short-circuit current (I <sub>cn</sub> )	
<ul style="list-style-type: none"> <li>• at AC / acc. to UL 1077 and CSA C22.2 No.235</li> </ul>	5 kA

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 ... 35 mm <sup>2</sup> 0.75 ... 35 mm <sup>2</sup> 0.75 ... 25 mm <sup>2</sup>
AWG number / as coded connectable conductor cross section	18 ... 4
Tightening torque [lbf·in] / with screw-type terminals	22 ... 31 lbf·in

Tightening torque / with screw-type terminals	2.5 ... 3.5 N·m
Position / of power supply cord	Any

### Mechanical Design

Height	90 mm
Width	72 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	4
Mounting type	Quick assembly system
Mounting position	any
Net weight	597 g

### Environmental conditions

Influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C
Ambient temperature	-25 ... +45 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +75 °C

### Certificates

Reference code	F
<ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul>	

#### General Product Approval

[Miscellaneous](#)

#### Declaration of Conformity



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=5SY8410-8BB08>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY8410-8BB08>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY8410-8BB08](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8410-8BB08)

#### CAX-Online-Generator

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

#### Tender specifications

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

