

Miniature circuit breaker 230/400 V 10kA, 1-pole, C, 25A



Model	
product brand name	SETRON
product designation	Miniature circuit breaker
design of the product	5SL miniature circuit breakers
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
circuit-breaker / Design	5SL4
overvoltage category	3
degree of pollution	2
Voltage	
insulation voltage	
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	250 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
operational current / at AC / rated value	25 A
supply voltage / at AC / rated value	400 V
operating voltage	
• with multi-phase operation / at AC / maximum	440 V
• at DC / rated value / maximum	72 V
supply voltage frequency	
• rated value	50 Hz

#### Protection class

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

switching capacity current	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	10 kA
energy limitation class	3

#### Dissipation

power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.3 W
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#### Current

Tripping residual / rated value / derated current / at 40 Cel	23.68 A
suitability for operation	Residential buildings/infrastructure

#### Product details

product function / neutral conductor switching	No
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes

#### Connections

connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm <sup>2</sup>

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	25 mm <sup>2</sup>
tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	2.5 N·m
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	3 N·m

### Mechanical Design

height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
net weight	150 g

### Environmental conditions

influence of the surrounding temperature	+55 °C, max. 95% humidity
ambient temperature	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	55 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	75 °C

### Certificates

reference code	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	F
<ul style="list-style-type: none"> <li>• acc. to IEC 81346-2</li> </ul>	F

### General Product Approval

### Declaration of Conformity

### Test Certificates



[Miscellaneous](#)



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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=5SL4125-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4125-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4125-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4125-7)

#### CAX-Online-Generator

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

#### Tender specifications

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



