



Miniature circuit breaker 230/400 V 6kA, 1-pole, B, 25A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	B
mechanical service life (operating cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
insulation voltage	
• with single-phase operation / at AC / rated value	250 V
• with multi-phase operation / at AC / rated value	440 V
Supply voltage	
type of voltage	AC
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
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
energy limitation class	3
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.8 W
Current	
operational current	
• at 30 °C / rated value	25 A
• at 40 °C / rated value	23.48 A
• at 45 °C / rated value	22.5 A
• at 55 °C / rated value	21 A
• at AC / rated value	25 A

suitability for operation	Residential buildings/infrastructure	
Product details		
product function / neutral conductor switching	No	
product feature / touch protection	Yes	
product feature <ul style="list-style-type: none"><li>● halogen-free</li><li>● sealable</li><li>● silicon-free</li></ul>	Yes Yes Yes	
product extension / installable / supplementary devices	Yes	
Connections		
connectable conductor cross-section / solid <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	0.75 mm² 25 mm²	
connectable conductor cross-section / stranded <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	0.75 mm² 25 mm²	
connectable conductor cross-section / finely stranded / with core end processing <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	0.75 mm² 25 mm²	
tightening torque / with screw-type terminals <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	2.5 N·m 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	120 g	
Environmental conditions		
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity	
ambient temperature / during operation <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	-25 °C 45 °C	
ambient temperature / during storage <ul style="list-style-type: none"><li>● minimum</li><li>● maximum</li></ul>	-40 °C 75 °C	
Certificates		
reference code <ul style="list-style-type: none"><li>● acc. to DIN EN 61346-2</li><li>● acc. to IEC 81346-2</li></ul>	F F	
General Product Approval		Declaration of Conformity



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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=5SL6125-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6125-6>

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

