



Miniature circuit breaker 400 V 6kA, 3-pole, B, 6A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
number of poles / note	3P
tripping characteristic class	B
mechanical service life (operating cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
insulation voltage	
• 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	0.9 W
Current	
operational current	
• at 30 °C / rated value	6 A
• at 40 °C / rated value	5.64 A
• at 45 °C / rated value	5.52 A
• at 55 °C / rated value	5.04 A
• at AC / rated value	6 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">● halogen-free● sealable● silicon-free	Yes Yes Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid <ul style="list-style-type: none">● minimum● maximum	0.75 mm ² 25 mm ²
connectable conductor cross-section / stranded <ul style="list-style-type: none">● minimum● maximum	0.75 mm ² 25 mm ²
connectable conductor cross-section / finely stranded / with core end processing <ul style="list-style-type: none">● minimum● maximum	0.75 mm ² 25 mm ²
tightening torque / with screw-type terminals <ul style="list-style-type: none">● minimum● maximum	2.5 N·m 3 N·m
Mechanical Design	
height	90 mm
width	54 mm
depth	76 mm
installation depth	70 mm
number of modular width units	3
mounting position	any
net weight	350 g
Environmental conditions	
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature / during operation <ul style="list-style-type: none">● minimum● maximum	-25 °C 45 °C
ambient temperature / during storage <ul style="list-style-type: none">● minimum● maximum	-40 °C 75 °C
Certificates	
reference code <ul style="list-style-type: none">● acc. to DIN EN 61346-2● acc. to IEC 81346-2	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=5SL6306-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6306-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6306-6

