



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A Circuit breaker
230/400 V 6kA, 1-pole, C, 20 A

Model	
product brand name	SENTRON
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
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
operational current / at AC / rated value	20 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
Switching capacity	
switching capacity current	
• acc. to EN 60898 / 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	2.4 W
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
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	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
Environmental conditions	
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
vibration resistance / acc. to IEC 60068-2-6	50 m/s ² at 25 to 150 Hz
ambient temperature <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
<div>General Product Approval</div> <div>Declaration of Conformity</div>	



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=5SL6120-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6120-7CC>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-7CC

Tender specifications

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

