



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 32 A

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	C
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	3.1 W
Current	
operational current	
• at 30 °C / rated value	32 A
• at 40 °C / rated value	30.06 A
• at 45 °C / rated value	28.8 A
• at 55 °C / rated value	26.89 A
• at AC / rated value	32 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 mm²	
• maximum		25 mm²	
connectable conductor cross-section / stranded			
• minimum		0.75 mm²	
• maximum		25 mm²	
connectable conductor cross-section / finely stranded / with core end processing			
• minimum		0.75 mm²	
• maximum		25 mm²	
tightening torque / with screw-type terminals			
• minimum		2.5 N·m	
• maximum		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		145 g	
Environmental conditions			
influence of the surrounding temperature		Periodically +55°C, max. 95% humidity	
ambient temperature / during operation			
• minimum		-25 °C	
• maximum		45 °C	
ambient temperature / during storage			
• minimum		-40 °C	
• maximum		75 °C	
Certificates			
reference code			
• acc. to DIN EN 61346-2		F	
• acc. to IEC 81346-2		F	
General Product Approval		Declaration of Conformity	Marine / Shipping



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=5SL6132-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6132-7>

