



Miniature circuit breaker 230 V 6kA, 1+N-pole, B, 10 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	1P+N
tripping characteristic class	B
mechanical service life (operating cycles)	
• typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui)	
• with single-phase operation at AC rated value	250 V
operational current	
• at 30 °C rated value	10 A
• at 40 °C rated value	9.52 A
• at 55 °C rated value	8.74 A
• at AC rated value	10 A
Supply voltage	
supply voltage at AC	230 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
• at DC rated value maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	6 kA
• according 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	1.6 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature	
• halogen-free	Yes
• sealable	Yes

• silicon-free	Yes		
product extension installable supplementary devices	Yes		
Connections			
connectable conductor cross-section solid • minimum • maximum	0.75 mm² 25 mm²		
connectable conductor cross-section stranded • minimum • maximum	0.75 mm² 25 mm²		
connectable conductor cross-section finely stranded with core end processing • minimum • maximum	0.75 mm² 25 mm²		
tightening torque with screw-type terminals • minimum • maximum	2.5 N·m 3 N·m		
Mechanical Design			
height	90 mm		
width	36 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	2		
mounting position	any		
net weight	252 g		
Environmental conditions			
ambient temperature during operation • minimum • maximum	-25 °C 45 °C		
ambient temperature during storage • minimum • maximum	-40 °C 75 °C		
Approvals Certificates			
General Product Approval			
	Confirmation		
			
			
	Miscellaneous		
General Product Approval	other	Environment	
	Miscellaneous	Confirmation	Environmental Confirmations
Further information			
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875			
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=5SL6510-6			
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6510-6			
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6510-6			
CAx-Online-Generator http://www.siemens.com/cax			
Tender specifications http://www.siemens.com/specifications			



