SIEMENS

Data sheet

5SL6550-7



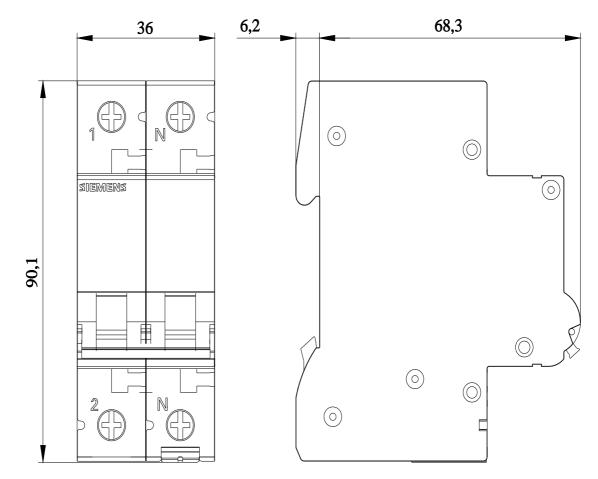
Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 50 A

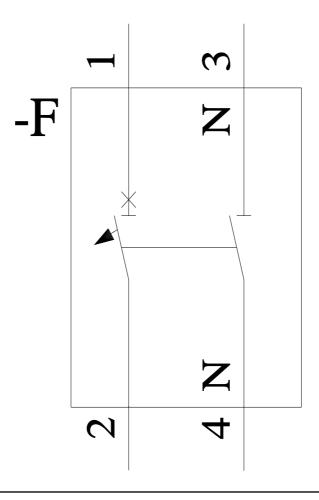
Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	2		
design of pole	1P+N		
tripping characteristic class	С		
mechanical service life (switching cycles) typical	10 000		
overvoltage category	III		
degree of pollution	2		
Voltage			
type of voltage of the operating voltage	AC		
insulation voltage (Ui)			
 with single-phase operation at AC rated value 	250 V		
Supply voltage			
supply voltage at AC rated value	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		
Switching 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	3.8 W		
Current			
operational current			
• at 30 °C rated value	50 A		
 at 40 °C rated value 	46.97 A		
 at 45 °C rated value 	45 A		
• at 55 °C rated value	42.01 A		
 at AC rated value 	50 A		
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	0.75 mm ²		
• maximum	25 mm ²		
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	36 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	2		
mounting position	any		
net weight	305 g		
Environmental conditions			
ambient temperature during operation			
• minimum	-25 °C		
• maximum	45 °C		
ambient temperature during storage			
• minimum	-40 °C		
• maximum	75 °C		
Certificates			
reference code			
according to EN 61346-2	F		
according to IEC 81346-2	F		
General Product Approval		Declaration of Conf	ormity
		1.112	
CEBEC Confirmation	EAC	UK CA	CE
	΄ ΓΠΙ		
CEBEC VDE			EG-Konf.
other			
Environmental Con- Miscellaneous			
Environmental Con- Miscellaneous firmations			

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=5SL6550-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6550-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6550-7 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





11/28/2022

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