## SIEMENS

## Data sheet

## 5SL6516-7



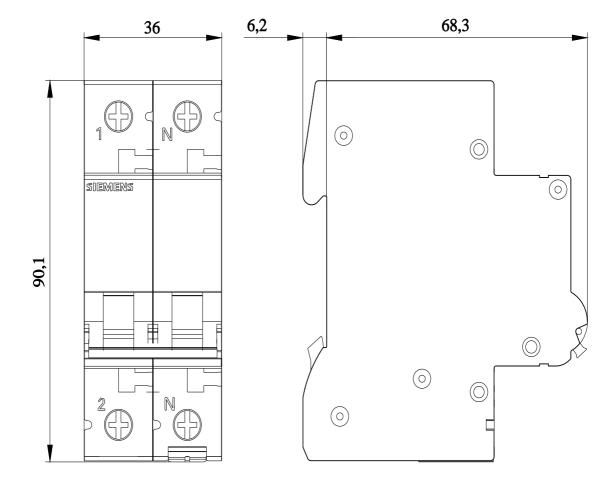
Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 16A

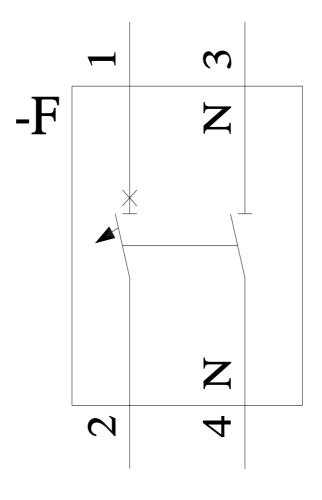
Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	2		
design of pole	1P+N		
tripping characteristic class	С		
mechanical service life (switching cycles) typical	10 000		
overvoltage category			
degree of pollution	2		
Voltage			
type of voltage of the operating voltage	AC		
insulation voltage (Ui)			
<ul> <li>with single-phase operation at AC rated value</li> </ul>	250 V		
Supply voltage			
supply voltage at AC rated value	230 V		
value range of the supply voltage frequency	50/60 Hz		
operating voltage			
<ul> <li>at DC rated value maximum</li> </ul>	72 V		
Protection class			
protection class IP	IP20, with connected conductors		
Switching capacity			
switching capacity current			
<ul> <li>according to EN 60898 rated value</li> </ul>	6 kA		
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	6 kA		
energy limitation class	3		
Dissipation			
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W		
Current			
operational current			
<ul> <li>at 30 °C rated value</li> </ul>	16 A		
<ul> <li>at 40 °C rated value</li> </ul>	15.23 A		
<ul> <li>at 45 °C rated value</li> </ul>	14.88 A		
<ul> <li>at 55 °C rated value</li> </ul>	13.99 A		
<ul> <li>at AC rated value</li> </ul>	16 A		
suitability for operation	Residential buildings/infrastructure		
Product details			
product feature			
<ul> <li>halogen-free</li> </ul>	Yes		

• sealable	Yes				
• silicon-free	Yes				
product extension installable supplementary devices	Yes				
Connections					
connectable conductor cross-section solid					
• minimum	0.75 mm <sup>2</sup>				
• 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 mm <sup>2</sup>				
• maximum	25 mm <sup>2</sup>				
tightening torque with screw-type terminals • minimum	2.5 N·m				
• maximum	2.5 N·III 3 N·m				
Mechanical Design	5 11-111	_			
	00 mm				
height	90 mm 36 mm				
width	36 mm 76 mm				
depth installation depth	76 mm 70 mm				
number of modular width units	2				
mounting position	any				
net weight	210 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					
<ul> <li>according to EN 61346-2</li> </ul>	F				
<ul> <li>according to IEC 81346-2</li> </ul>	F				
General Product Approval			Declaration of		
			Conformity		
<u>Confirmation</u>	<u>TSE</u>	rnr	~ ~		
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CEBEC VDE		LIIL	EG-Konf.		
Declaration of					
Conformity other					
Miscellaneous Environmenta	I Con-				
<u>Miscellaneous</u> <u>Environmenta</u>	<u> </u>				
CA					
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/produc	t2mlfb=5SL6516-7				
Service&Support (Manuals, Certificates, Characteristics,					
https://support.industry.siemens.com/cs/ww/en/ps/5SL6516-					
Image database (product images 2D dimension drawings 2D models device circuit diagrams )					

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6516-7 CAx-Online-Generator

http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





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