## SIEMENS

## Data sheet

## 5SL6216-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 16A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	C
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)	
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	440 V
Supply voltage	
supply voltage at AC rated value	400 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
<ul> <li>with multi-phase operation at AC maximum</li> </ul>	440 V
<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
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 <sup>2</sup>

maximum		2	5 mm²		
connectable conductor	cross-section stranded				
<ul> <li>minimum</li> </ul>			.75 mm²		
maximum			5 mm²		
connectable conductor end processing	cross-section finely strand	ed with core			
<ul> <li>minimum</li> </ul>		0	.75 mm²		
<ul> <li>maximum</li> </ul>		2	5 mm²		
tightening torque with s	crew-type terminals				
<ul> <li>minimum</li> </ul>		2	.5 N·m		
<ul> <li>maximum</li> </ul>		3	N·m		
Mechanical Design					
height		9	0 mm		
width		3	6 mm		
depth		7	6 mm		
installation depth		7	0 mm		
number of modular wid	th units	2			
mounting position		a	ny		
net weight		2	30 g		
Environmental conditio	ns				
ambient temperature du	uring operation				
<ul> <li>minimum</li> </ul>		-2	25 °C		
<ul> <li>maximum</li> </ul>		4	5 °C		
ambient temperature du	uring storage				
• minimum		-4	40 °C		
<ul> <li>maximum</li> </ul>		7	5 °C		
Approvals Certificates					
General Product App	roval				Declaration of Con- formity
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