












Miniature circuit breaker 230/400 V 10kA, 1-pole, D, 4A

Model	
product brand name	SETRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	D
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
insulation voltage (Ui)	
<ul style="list-style-type: none"> <li>with single-phase operation at AC rated value</li> <li>with multi-phase operation at AC rated value</li> </ul>	250 V 440 V
<ul style="list-style-type: none"> <li>operational current               <ul style="list-style-type: none"> <li>at 30 °C rated value</li> <li>at 40 °C rated value</li> <li>at 55 °C rated value</li> </ul> </li> <li>operational current at AC rated value</li> </ul>	4 A 3.79 A 3.45 A 4 A
Supply voltage	
supply voltage at AC	400 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
<ul style="list-style-type: none"> <li>with multi-phase operation at AC maximum</li> <li>at DC rated value maximum</li> <li></li> </ul>	440 V 62.5 V The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
<ul style="list-style-type: none"> <li>according to EN 60898 rated value</li> <li>according to IEC 60947-2 rated value</li> </ul>	10 kA 10 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.1 W

<b>suitability for operation</b>	Residential buildings/infrastructure				
<b>Product details</b>					
<b>product feature touch protection</b>	Yes				
product component neutral conductor switching	No				
<b>product feature halogen-free</b>	Yes				
<b>product feature sealable</b>	Yes				
<b>product feature silicon-free</b>	Yes				
<b>product extension installable supplementary devices</b>	Yes				
<b>Connections</b>					
<b>connectable conductor cross-section solid</b>					
• minimum	0.75 mm <sup>2</sup>				
• maximum	25 mm <sup>2</sup>				
<b>connectable conductor cross-section stranded</b>					
• minimum	0.75 mm <sup>2</sup>				
• maximum	25 mm <sup>2</sup>				
<b>connectable conductor cross-section finely stranded with core end processing</b>					
• minimum	0.75 mm <sup>2</sup>				
• maximum	25 mm <sup>2</sup>				
<b>tightening torque with screw-type terminals</b>					
• minimum	2.5 N·m				
• maximum	3 N·m				
<b>Mechanical Design</b>					
<b>height</b>	90 mm				
<b>width</b>	18 mm				
<b>depth</b>	76 mm				
<b>installation depth</b>	70 mm				
<b>number of modular width units</b>	1				
<b>mounting position</b>	any				
<b>Net Weight</b>	160 g				
<b>Environmental conditions</b>					
<b>ambient temperature during operation</b>					
• minimum	-25 °C				
• maximum	55 °C				
<b>ambient temperature during storage</b>					
• minimum	-40 °C				
• maximum	75 °C				
<b>Approvals Certificates</b>					
<b>Environment</b>			<b>General Product Approval</b>		
<a href="#">Environmental Confirmations</a>		<a href="#">Environmental Confirmations</a>			
<b>General Product Approval</b>				<b>Test Certificates</b>	
		<a href="#">Confirmation</a>			<a href="#">Miscellaneous</a>
<b>other</b>					
<a href="#">Confirmation</a>					

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4104-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4104-8>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4104-8](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4104-8)

### CAX-Online-Generator

<https://www.siemens.com/cax>

### Tender specifications

<https://www.siemens.com/specifications>

### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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last modified:

7/23/2025 

