



Miniature circuit breaker 230/400 V 6kA, 1-pole, B, 32 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	B
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 400 V
<ul style="list-style-type: none"> <li>operational current                             <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> </ul> </li> <li>operational current at AC rated value</li> </ul>	32 A 32 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>	400 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 distribution board cover
Breaking Capacity	
switching capacity current	
<ul style="list-style-type: none"> <li>according to EN 60898 rated value</li> </ul>	6 kA
energy limitation class	3
suitability for operation	Residential buildings/infrastructure
Product details	
product feature touch protection	No
product component neutral conductor switching	No

product feature halogen-free	Yes
product feature sealable	Yes
product feature silicon-free	Yes
product extension installable supplementary devices	No

### Connections

<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

### Mechanical Design

height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
Net Weight	152 g

### Environmental conditions

<b>ambient temperature during operation</b>	
• minimum	-25 °C
• maximum	45 °C
<b>ambient temperature during storage</b>	
• minimum	-40 °C
• maximum	75 °C

### Approvals Certificates

Environment	General Product Approval
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[Environmental Confirmations](#)

[Environmental Confirmations](#)



[Confirmation](#)

### other

[Confirmation](#)



### 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=5SL6132-6YA>

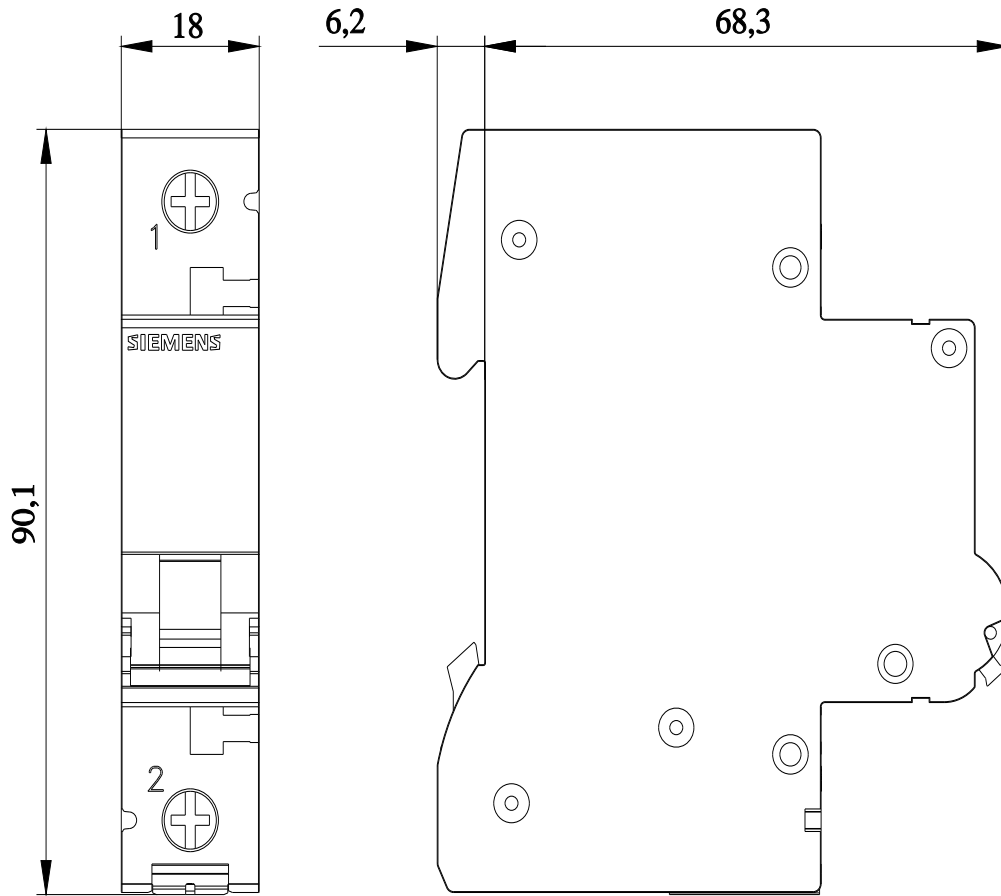
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6132-6YA>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6132-6YA](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6132-6YA)

CAx-Online-Generator





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