



Miniature circuit breaker 400 V 10kA, 2-pole, C, 0.5A Circuit breaker 400 V 10kA, 2-pole, C, 0.5A

| 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   |
| 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 multi-phase operation at AC rated value</li> </ul>   | 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 50 °C rated value</li> <li>at 55 °C rated value</li> </ul> </li> <li>operational current at AC rated value</li> </ul> | 0.5 A<br>0.47 A<br>0.45 A<br>0.43 A<br>0.5 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> </ul>   | 440 V   |
| 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> </ul>  | 10 kA   |
| energy limitation class  | 3   |
| Dissipation  |   |
| power loss [W] for rated value of the current at AC in hot operating state per pole  | 0.9 W   |
| suitability for operation  | Residential buildings/infrastructure  |
| Product details  |   |
| product feature touch protection   | 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 |

### 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

|                                      |         |
|--------------------------------------|---------|
| <b>height</b>                        | 90 mm   |
| <b>width</b>                         | 36 mm   |
| <b>depth</b>                         | 76 mm   |
| <b>installation depth</b>            | 70 mm   |
| <b>number of modular width units</b> | 2       |
| <b>mounting position</b>             | any     |
| <b>Net Weight</b>                    | 0.33 kg |

### Environmental conditions

|  |                                     |
|--|-------------------------------------|
| <b>vibration resistance according to IEC 60068-2-6</b> | 50 m/s <sup>2</sup> at 25 to 150 Hz |
| <b>ambient temperature during operation</b>            |                                     |
| • minimum  | -25 °C                              |
| • maximum  | 55 °C                               |
| <b>ambient temperature during storage</b>              |                                     |
| • minimum  | -40 °C                              |
| • maximum  | 75 °C                               |

### Approvals Certificates

|                    |                                 |  |  |
|--------------------|---------------------------------|--|--|
| <b>Environment</b> | <b>General Product Approval</b> |  |  |
|--------------------|---------------------------------|--|--|

[Environmental Con-  
firmations](#)

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firmations](#)



[Confirmation](#)



|                                       |            |                          |              |
|---------------------------------------|------------|--------------------------|--------------|
| <b>General Product Ap-<br/>proval</b> | <b>EMV</b> | <b>Test Certificates</b> | <b>other</b> |
|---------------------------------------|------------|--------------------------|--------------|



[Miscellaneous](#)

[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=5SL4205-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4205-7CC>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4205-7CC](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4205-7CC)

CAX-Online-Generator

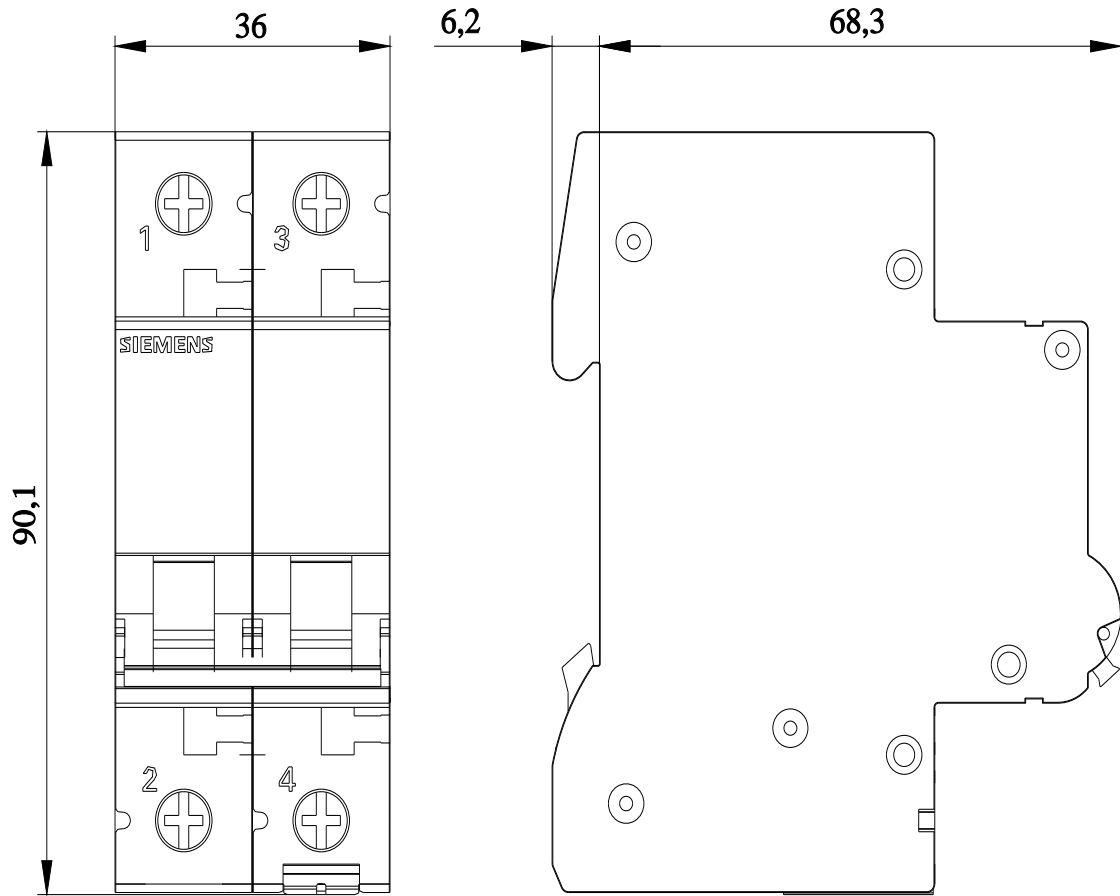
<https://www.siemens.com/cax>

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='HAUPT'></mmp_prod_no>)





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