



Miniature circuit breaker 400 V 10kA, 3+N-pole, C, 4A Circuit breaker 400 V 10kA, 3+N-pole, C, 4A

| Model                                                                               |                                                                                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| product brand name                                                                  | SENTRON                                                                                                    |
| product designation                                                                 | Miniature circuit breaker                                                                                  |
| General technical data                                                              |                                                                                                            |
| number of poles                                                                     | 4                                                                                                          |
| design of pole                                                                      | 3P+N                                                                                                       |
| 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)                                                             |                                                                                                            |
| • with multi-phase operation at AC rated value                                      | 440 V                                                                                                      |
| • operational current                                                               |                                                                                                            |
| — at 30 °C rated value                                                              | 4 A                                                                                                        |
| — at 40 °C rated value                                                              | 3.84 A                                                                                                     |
| — at 50 °C rated value                                                              | 3.67 A                                                                                                     |
| — at 55 °C rated value                                                              | 3.58 A                                                                                                     |
| • operational current at AC rated value                                             | 4 A                                                                                                        |
| Supply voltage                                                                      |                                                                                                            |
| supply voltage at AC                                                                | 400 V                                                                                                      |
| value range of the supply voltage frequency                                         | 50/60 Hz                                                                                                   |
| operating voltage                                                                   |                                                                                                            |
| • with multi-phase operation at AC maximum                                          | 440 V                                                                                                      |
| • at DC rated value maximum                                                         | 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                                                          |                                                                                                            |
| • according to EN 60898 rated value                                                 | 10 kA                                                                                                      |
| energy limitation class                                                             | 3                                                                                                          |
| Dissipation                                                                         |                                                                                                            |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.2 W                                                                                                      |
| suitability for operation                                                           | Residential buildings/infrastructure                                                                       |

| Product details                                                              |                                     |
|------------------------------------------------------------------------------|-------------------------------------|
| product feature touch protection                                             | Yes                                 |
| product component neutral conductor switching                                | Yes                                 |
| product feature halogen-free                                                 | Yes                                 |
| product feature sealable                                                     | Yes                                 |
| product feature silicon-free                                                 | Yes                                 |
| product extension installable supplementary devices                          | Yes                                 |
| Connections                                                                  |                                     |
| connectable conductor cross-section solid                                    |                                     |
| • minimum                                                                    | 0.75 mm <sup>2</sup>                |
| • maximum                                                                    | 25 mm <sup>2</sup>                  |
| connectable conductor cross-section stranded                                 |                                     |
| • minimum                                                                    | 0.75 mm <sup>2</sup>                |
| • maximum                                                                    | 25 mm <sup>2</sup>                  |
| 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                                                                    | 3 N·m                               |
| Mechanical Design                                                            |                                     |
| height                                                                       | 90 mm                               |
| width                                                                        | 72 mm                               |
| depth                                                                        | 76 mm                               |
| installation depth                                                           | 70 mm                               |
| number of modular width units                                                | 4                                   |
| mounting position                                                            | any                                 |
| Net Weight                                                                   | 0.66 kg                             |
| Environmental conditions                                                     |                                     |
| vibration resistance according to IEC 60068-2-6                              | 50 m/s <sup>2</sup> at 25 to 150 Hz |
| ambient temperature during operation                                         |                                     |
| • minimum                                                                    | -25 °C                              |
| • maximum                                                                    | 55 °C                               |
| ambient temperature during storage                                           |                                     |
| • minimum                                                                    | -40 °C                              |
| • maximum                                                                    | 75 °C                               |
| Approvals Certificates                                                       |                                     |
| General Product Approval                                                     | EMV                                 |



[Confirmation](#)



| Test Certificates             | other                                                                               | Environment                  |                                             |
|-------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------|
| <a href="#">Miscellaneous</a> |  | <a href="#">Confirmation</a> | <a href="#">Environmental Confirmations</a> |

| Further information                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                                             |
| Information for data generation and storage<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>                              |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/lowvoltage/catalogs">https://www.siemens.com/lowvoltage/catalogs</a>                                                  |
| Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4604-7CC">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4604-7CC</a> |

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4604-7CC>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4604-7CC](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4604-7CC)

CAX-Online-Generator

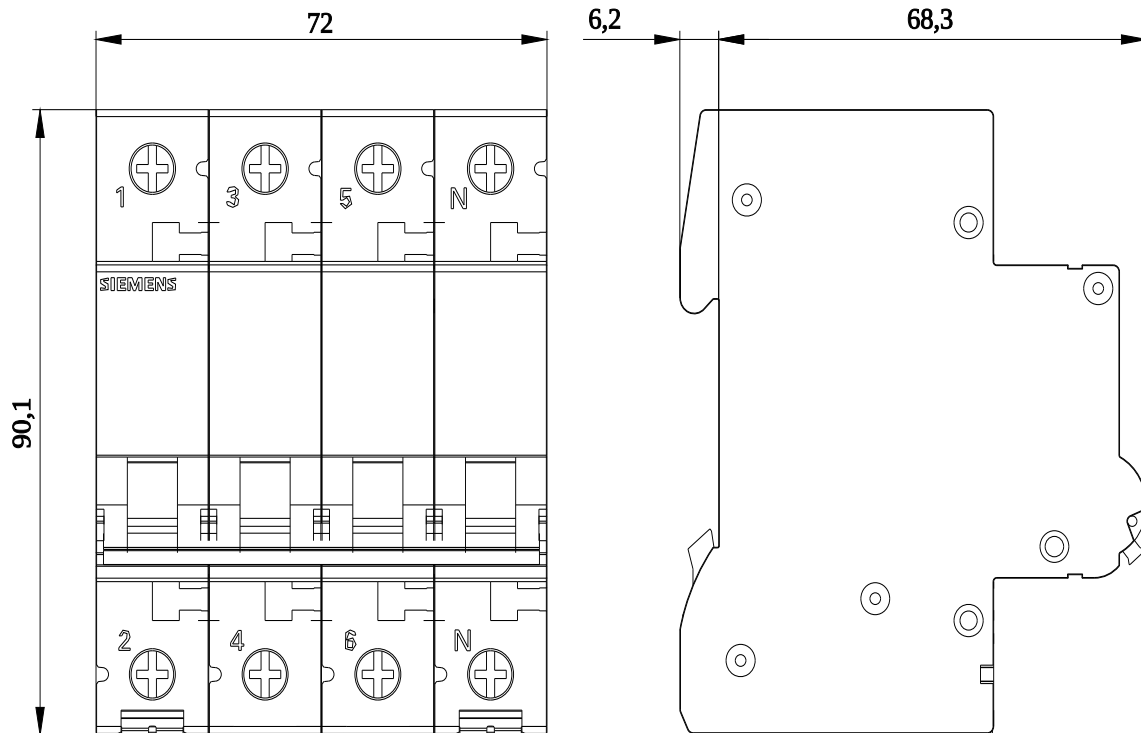
<https://www.siemens.com/cax>

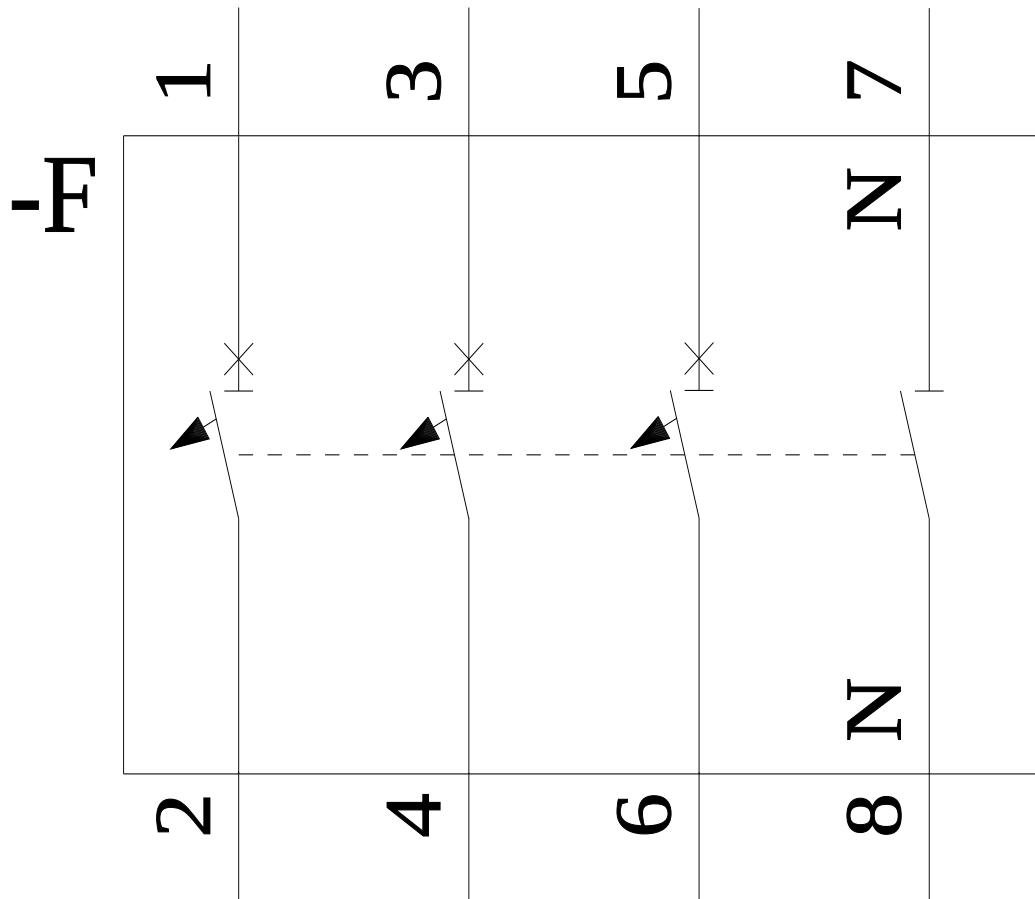
Tender specifications

<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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