



Figure similar

Miniature circuit breaker 230/400 V 6kA, 1-pole, D, 0.3A Circuit breaker 230/400 V 6kA, 1-pole, D, 0.3A

| 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                                                                                       |
| 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 single-phase operation at AC rated value                                     | 250 V                                                                                   |
| • with multi-phase operation at AC rated value                                      | 440 V                                                                                   |
| • operational current                                                               |                                                                                         |
| — at 30 °C rated value                                                              | 0 A                                                                                     |
| — at 40 °C rated value                                                              | 0.28 A                                                                                  |
| — at 50 °C rated value                                                              | 0.25 A                                                                                  |
| — at 55 °C rated value                                                              | 0.24 A                                                                                  |
| • operational current at AC rated value                                             | 0.3 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                                                                                   |
| Protection class                                                                    |                                                                                         |
| protection class IP                                                                 | IP20, with connected conductors                                                         |
| Breaking Capacity                                                                   |                                                                                         |
| switching capacity current                                                          |                                                                                         |
| • according to EN 60898 rated value                                                 | 6 kA                                                                                    |
| 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  |
| 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                         | 18 mm    |
| depth                         | 76 mm    |
| installation depth            | 70 mm    |
| number of modular width units | 1        |
| mounting position             | any      |
| Net Weight                    | 0.165 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                                       | 45 °C                               |
| ambient temperature during storage              |                                     |
| • minimum                                       | -40 °C                              |
| • maximum                                       | 75 °C                               |

#### Environmental footprint

|                                                                    |           |
|--------------------------------------------------------------------|-----------|
| Environmental Product Declaration (EPD)                            | Yes       |
| global warming potential [CO <sub>2</sub> eq] total                | 28.2 kg   |
| global warming potential [CO <sub>2</sub> eq] during manufacturing | 0.718 kg  |
| global warming potential [CO <sub>2</sub> eq] during operation     | 27.5 kg   |
| global warming potential [CO <sub>2</sub> eq] after end of life    | -0.057 kg |

#### Approvals Certificates

|                          |     |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



[Confirmation](#)



|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|



[Confirmation](#)



[Environmental Confirmations](#)

[Environmental Confirmations](#)

#### 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=5SL6114-8CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6114-8CC>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6114-8CC](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6114-8CC)

CAX-Online-Generator

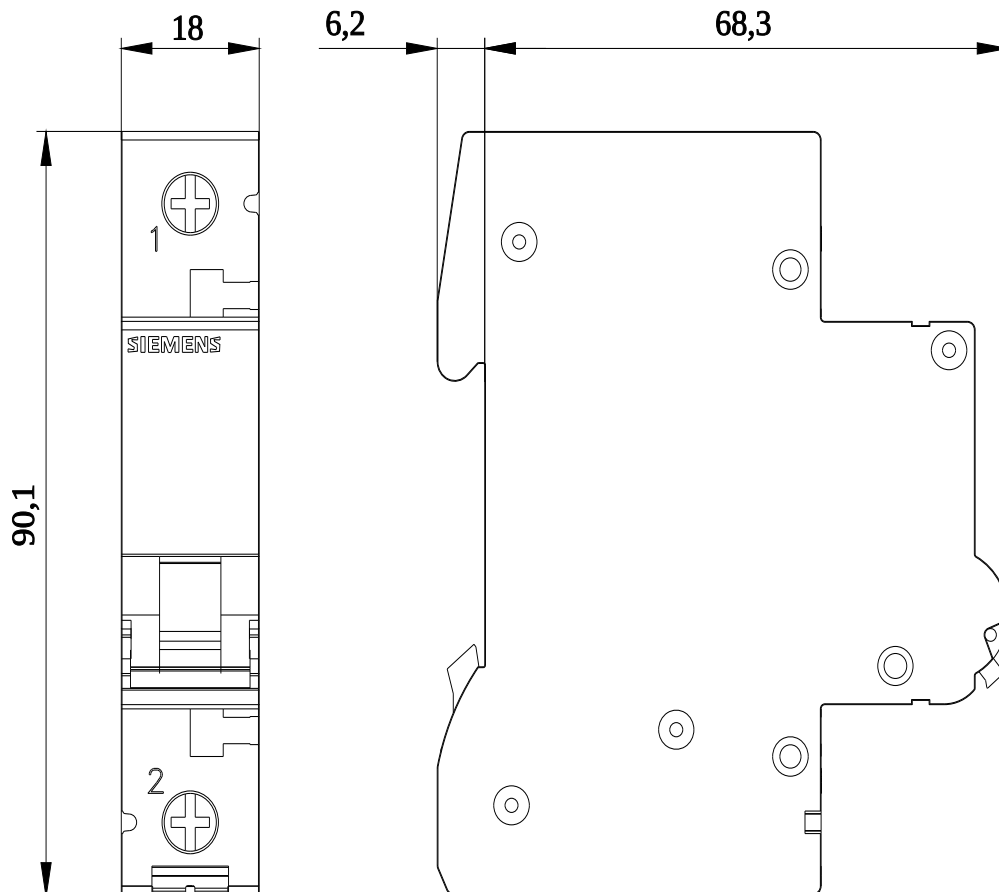
<https://www.siemens.com/cax>

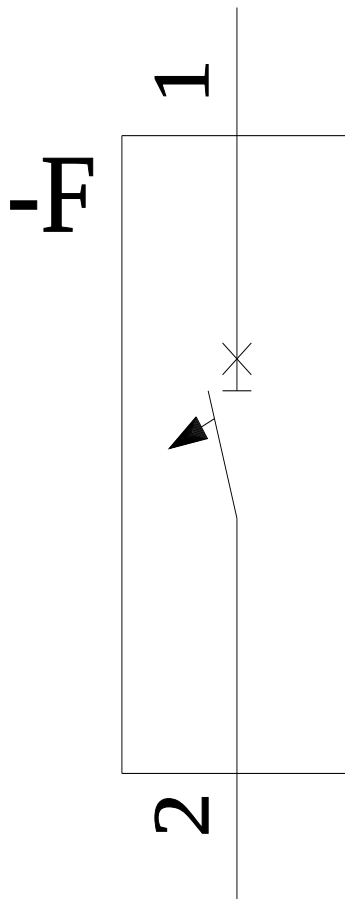
Tender specifications

<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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