



CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW B32

| Model                                                                               |                                      |
|-------------------------------------------------------------------------------------|--------------------------------------|
| product brand name                                                                  | SENTRON                              |
| product designation                                                                 | Miniature circuit breaker            |
| design of the product                                                               | Miniature circuit breaker compact    |
| General technical data                                                              |                                      |
| design of pole                                                                      | 1P+N                                 |
| tripping characteristic class                                                       | B                                    |
| mechanical service life (operating cycles) typical                                  | 10 000                               |
| overvoltage category                                                                | III                                  |
| degree of pollution                                                                 | 2                                    |
| Voltage                                                                             |                                      |
| type of voltage of the operating voltage                                            | AC                                   |
| insulation voltage (Ui) at AC rated value                                           | 250 V                                |
| operational current                                                                 |                                      |
| • at 30 °C rated value                                                              | 32 A                                 |
| • at 40 °C rated value                                                              | 30.46 A                              |
| • at 50 °C rated value                                                              | 28.84 A                              |
| • at 55 °C rated value                                                              | 27.99 A                              |
| • at 60 °C rated value                                                              | 27.12 A                              |
| • at AC rated value                                                                 | 32 A                                 |
| Supply voltage                                                                      |                                      |
| supply voltage                                                                      |                                      |
| • at AC                                                                             | 230 V                                |
| • at DC rated value                                                                 | 60 V                                 |
| value range of the supply voltage frequency                                         | 50/60 Hz                             |
| operating voltage                                                                   |                                      |
| • minimum                                                                           | 24 V                                 |
| • with single-phase operation at AC maximum                                         | 250 V                                |
| Protection class                                                                    |                                      |
| protection class IP                                                                 | IP20, with connected conductors      |
| Breaking Capacity                                                                   |                                      |
| switching capacity current                                                          |                                      |
| • according to EN 60898 rated value                                                 | 6 kA                                 |
| energy limitation class                                                             | 3                                    |
| Dissipation                                                                         |                                      |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 2.8 W                                |
| Suitability                                                                         |                                      |
| suitability for operation                                                           | Residential buildings/infrastructure |
| Product details                                                                     |                                      |

|                                                                                     |                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>product feature touch protection</b>                                             | Yes                                           |
| product component                                                                   |                                               |
| • combined terminal top                                                             | No                                            |
| • combined terminal bottom                                                          | No                                            |
| • neutral conductor switching                                                       | Yes                                           |
| <b>product feature</b>                                                              |                                               |
| • properties for main switches in accordance with EN 60204-1                        | No                                            |
| • halogen-free                                                                      | Yes                                           |
| • sealable                                                                          | Yes                                           |
| • silicon-free                                                                      | Yes                                           |
| product extension installable supplementary devices                                 | Yes                                           |
| <b>Connections</b>                                                                  |                                               |
| <b>connectable conductor cross-section solid</b>                                    |                                               |
| • minimum                                                                           | 0.75 mm <sup>2</sup>                          |
| • maximum                                                                           | 16 mm <sup>2</sup>                            |
| <b>connectable conductor cross-section stranded</b>                                 |                                               |
| • minimum                                                                           | 0.75 mm <sup>2</sup>                          |
| • maximum                                                                           | 16 mm <sup>2</sup>                            |
| <b>connectable conductor cross-section finely stranded with core end processing</b> |                                               |
| • minimum                                                                           | 0.75 mm <sup>2</sup>                          |
| • maximum                                                                           | 10 mm <sup>2</sup>                            |
| <b>tightening torque [lbf-in] with screw-type terminals</b>                         |                                               |
| • minimum                                                                           | 10.6 lbf-in                                   |
| • maximum                                                                           | 22.1 lbf-in                                   |
| <b>tightening torque with screw-type terminals</b>                                  |                                               |
| • minimum                                                                           | 1.2 N·m                                       |
| • maximum                                                                           | 2.5 N·m                                       |
| position of power supply cord                                                       | Any                                           |
| <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>fastening method</b>                                                             | DIN rail                                      |
| <b>mounting position</b>                                                            | any                                           |
| <b>net weight</b>                                                                   | 150 g                                         |
| <b>Environmental conditions</b>                                                     |                                               |
| standard                                                                            | IEC/EN60898-1, GB/T10963.1                    |
| vibration resistance according to IEC 60068-2-6                                     | Yes                                           |
| <b>ambient temperature during operation</b>                                         |                                               |
| • minimum                                                                           | -25 °C                                        |
| • maximum                                                                           | 60 °C                                         |
| <b>ambient temperature during operation</b>                                         | -25...45°C: max. 85%rF. 45...60°C: max. 43%rF |
| <b>ambient temperature during storage</b>                                           |                                               |
| • minimum                                                                           | -40 °C                                        |
| • maximum                                                                           | 75 °C                                         |
| <b>number of test cycles for environmental testing according to IEC 60068-2-30</b>  | 6                                             |
| <b>Environmental footprint</b>                                                      |                                               |
| Global Warming Potential [CO2 eq] total                                             | 11.7 kg                                       |
| Global Warming Potential [CO2 eq] during manufacturing                              | 0.916 kg                                      |
| Global Warming Potential [CO2 eq] during operation                                  | 10.8 kg                                       |
| Global Warming Potential [CO2 eq] after end of life                                 | -0.102 kg                                     |
| <b>Approvals Certificates</b>                                                       |                                               |
| <b>General Product Approval</b>                                                     |                                               |



[Confirmation](#)



General Product Approval

Marine / Shipping

other

Environment



[Confirmation](#)

[Miscellaneous](#)



Environment



Siemens  
EcoTech



[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

#### Further information

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6032-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6032-6>

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

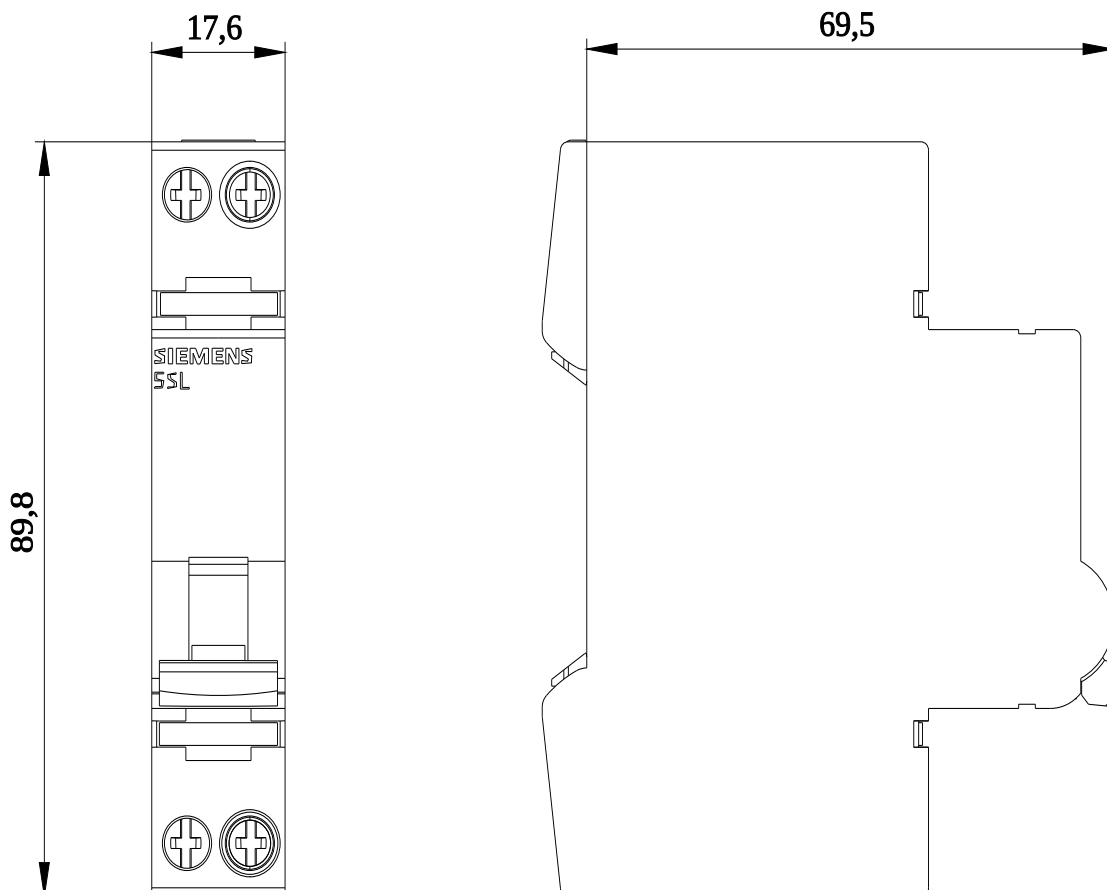
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6032-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6032-6)

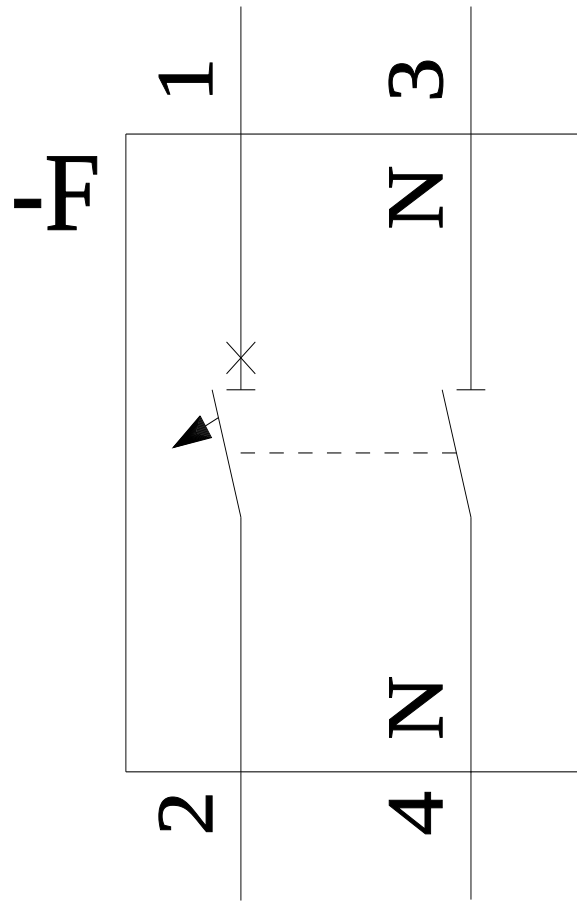
CAX-Online-Generator

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

Tender specifications

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





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