

Miniature circuit-breaker DC max. 1000V 10 kA 4-pole C63

| Model   |                                      |
|---|--------------------------------------|
| product brand name  | SENTRON                              |
| product designation   | Miniature circuit breaker            |
| General technical data  |                                      |
| number of poles   | 4                                    |
| design of pole  | 4P                                   |
| tripping characteristic class   | C                                    |
| mechanical service life (operating cycles)  |                                      |
| • typical   | 8 500                                |
| overvoltage category  | II                                   |
| degree of pollution   | 2                                    |
| Voltage   |                                      |
| type of voltage of the operating voltage  | DC                                   |
| operational current   |                                      |
| • at 30 °C rated value  | 63 A                                 |
| • at 40 °C rated value  | 59.2 A                               |
| • at 50 °C rated value  | 56.1 A                               |
| • at 55 °C rated value  | 53.6 A                               |
| • at 60 °C rated value  | 51 A                                 |
| Supply voltage  |                                      |
| operating voltage   |                                      |
| • at DC rated value maximum   | 880 V                                |
| Protection class  |                                      |
| protection class IP   | IP20, with connected conductors      |
| Dissipation   |                                      |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 6 W                                  |
| suitability for operation   | Residential buildings/infrastructure |
| Product details   |                                      |
| <b>product feature</b>  |                                      |
| • halogen-free  | Yes                                  |
| • sealable  | Yes                                  |
| • silicon-free  | Yes                                  |
| product extension installable supplementary devices                                 | Yes                                  |
| Connections   |                                      |
| connectable conductor cross-section solid   |                                      |
| • minimum   | 0.75 mm <sup>2</sup>                 |
| connectable conductor cross-section stranded  |                                      |
| • minimum   | 0.75 mm <sup>2</sup>                 |
| • maximum   | 35 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                                      | 616 g  |
| Environmental conditions                        |        |
| vibration resistance according to IEC 60068-2-6 | no     |
| ambient temperature during operation            |        |
| • minimum                                       | -40 °C |
| • maximum                                       | 70 °C  |
| ambient temperature during storage              |        |
| • minimum                                       | -40 °C |
| • maximum                                       | 75 °C  |

| Approvals Certificates   |                   |       |                |             |
|--------------------------|-------------------|-------|----------------|-------------|
| General Product Approval | Test Certificates | other | Dangerous Good | Environment |

[Confirmation](#)



[Miscellaneous](#)

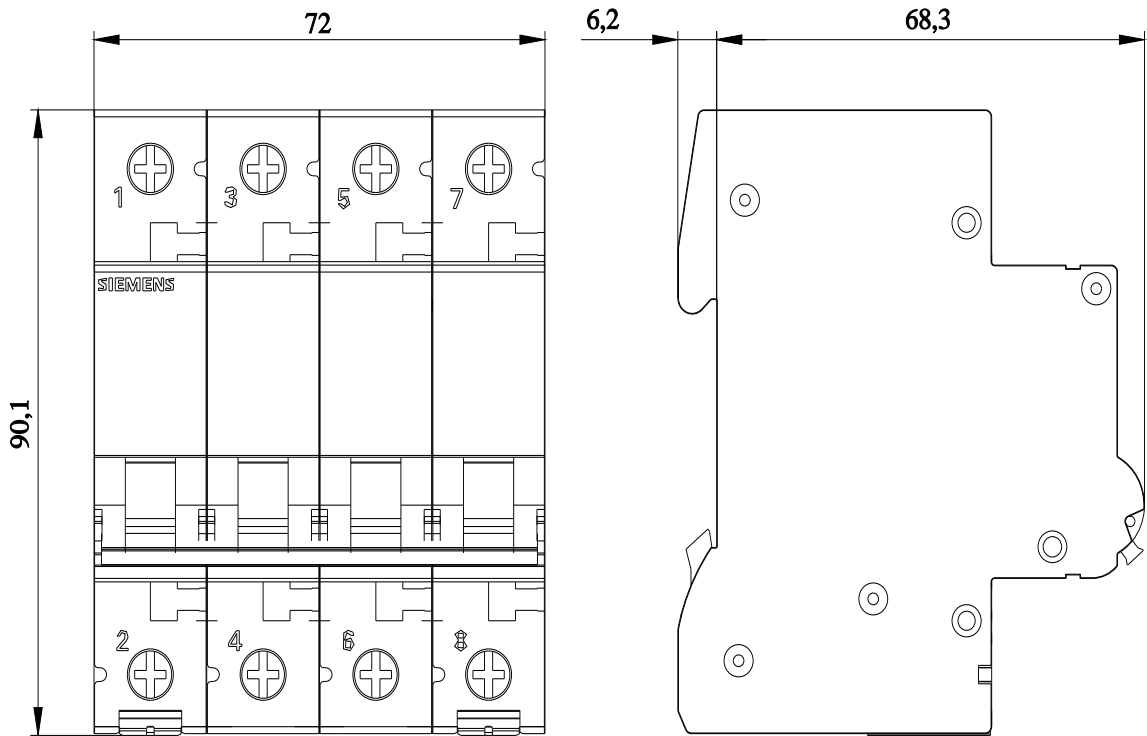
[Miscellaneous](#)

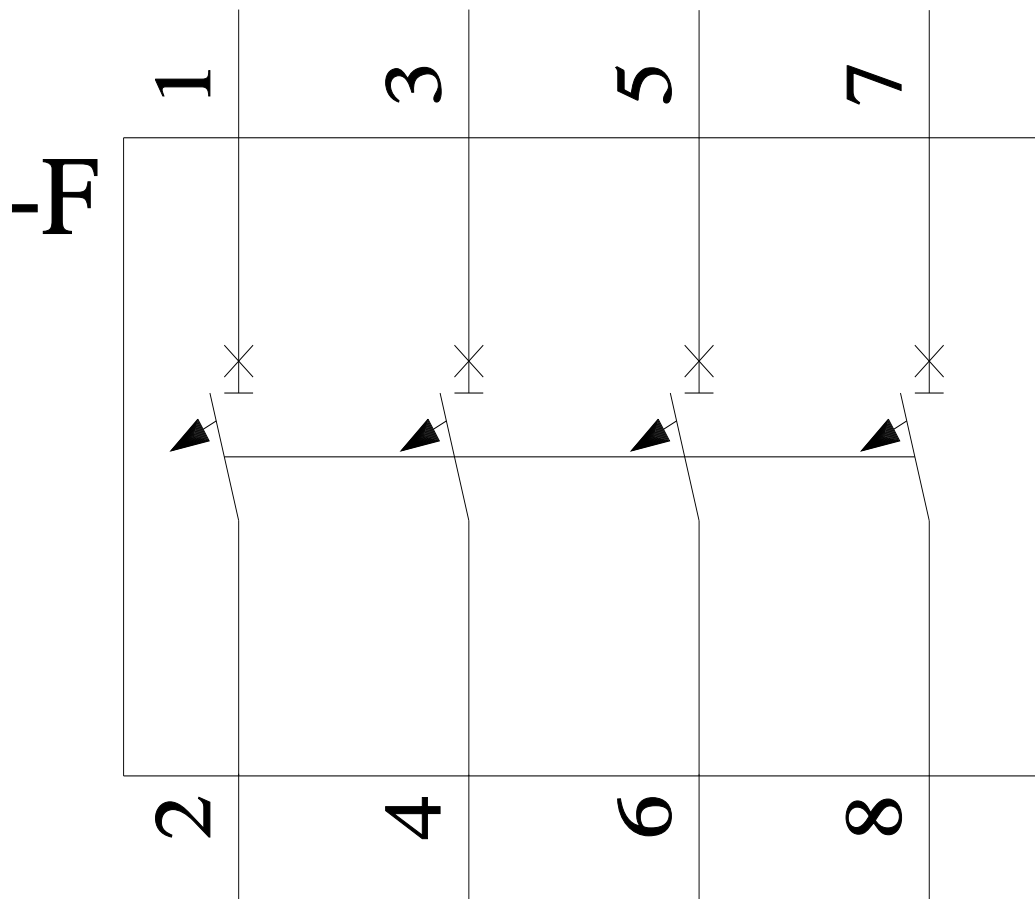
[Transport Information](#)

[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=5SL5463-7RC>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SL5463-7RC>  
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL5463-7RC](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5463-7RC)  
CAx-Online-Generator  
<http://www.siemens.com/cax>  
Tender specifications  
<http://www.siemens.com/specifications>





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