

Miniature circuit breaker 400 V 10kA, 4-pole, C, 20 A



| Model | |
|--|--------------------------------|
| Product brand name | SENTRON |
| Product designation | Miniature circuit breaker |
| Design of the product | 5SL miniature circuit breakers |
| General technical data | |
| Number of poles | 4 |
| Number of poles / Note | 4P |
| Tripping characteristic class | C |
| circuit-breaker / Design | 5SL4 |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Overvoltage category | 3 |
| Degree of pollution | 2 |
| Voltage | |
| Insulation voltage | |
| • with multi-phase operation / at AC / rated value | 440 V |
| Supply voltage | |
| Type of voltage | AC |
| Operating current / at AC / rated value | 20 A |

| | |
|---|--|
| Supply voltage / at AC / rated value | 400 V |
| Operating voltage | |
| <ul style="list-style-type: none"> • with multi-phase operation / at AC / maximum • at DC / rated value / maximum | 440 V 72 V |
| Supply voltage frequency | |
| <ul style="list-style-type: none"> • rated value | 50 Hz |
| Protection class | |
| Protection class IP | IP20, with connected conductors |
| Switching capacity | |
| Switching capacity current | |
| <ul style="list-style-type: none"> • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value | 10 kA 10 kA |
| Energy limiting class | 3 |
| Dissipation | |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 2 W |
| Current | |
| Tripping residual / rated value / derated current / at 40 Cel | 18.94 A |
| Suitability for operation | Residential buildings/infrastructure |
| Product details | |
| Product function / neutral conductor switching | No |
| Product feature / Touch protection | Yes |
| Product feature | |
| <ul style="list-style-type: none"> • halogen-free • sealable • silicon-free | Yes Yes Yes |
| Product extension / can be installed / supplementary devices | Yes |
| Connections | |
| Connectable conductor cross-section / solid | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| Connectable conductor cross-section / stranded | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| Connectable conductor cross-section / finely stranded / with core end processing | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| 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 width units | 4 |
| Mounting position | any |
| Net weight | 595 g |

Environmental conditions

| | |
|--|---------------------------|
| Influence of the surrounding temperature | +55 °C, max. 95% humidity |
| Ambient temperature | |
| • minimum | -25 °C |
| • maximum | 55 °C |
| Ambient temperature / during storage | |
| • minimum | -40 °C |
| • maximum | 75 °C |

Certificates

| | |
|--------------------------|---|
| Reference code | |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

General Product Approval

Declaration of Conformity

Test Certificates



[Miscellaneous](#)



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Further information

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=5SL4420-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4420-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4420-7

CAX-Online-Generator

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

Tender specifications

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



