

Miniature circuit breaker 230/400 V 10kA, 1-pole, D, 50 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 | 1 |
| Number of poles / Note | 1P |
| Tripping characteristic class | D |
| circuit-breaker / Design | 5SL4 |
| Oversvoltage category | 3 |
| Voltage | |
| Type of voltage | AC |
| Insulation voltage | |
| <ul style="list-style-type: none"> with single-phase operation / at AC / rated value | 250 V |
| <ul style="list-style-type: none"> with multi-phase operation / at AC / rated value | 440 V |
| Supply voltage | |
| Supply voltage / at AC / rated value | 400 V |

| | |
|---|--------------------------------------|
| Supply voltage frequency / rated value | 50 Hz |
| Protection class | |
| Protection class IP | IP20, with connected conductors |
| Energy limiting class | 3 |
| Switching capacity | |
| Switching capacity current | |
| • acc. to EN 60898 / rated value | 10 kA |
| • acc. to IEC 60947-2 / rated value | 10 kA |
| Dissipation | |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 3.6 W |
| Electricity | |
| Tripping residual / rated value / derated current / at 40 Cel | 46 A |
| Current / at AC / rated value | 50 A |
| Main circuit | |
| Operating voltage | |
| • minimum | 24 V |
| • at DC / rated value / maximum | 60 V |
| • with single-phase operation / at AC / maximum | 250 V |
| • with multi-phase operation / at AC / maximum | 440 V |
| Suitability for operation | Residential buildings/infrastructure |
| Product details | |
| Product feature / Touch protection | Yes |
| Product feature | |
| • halogen-free | Yes |
| • sealable | Yes |
| • silicon-free | Yes |
| Product extension / can be installed / supplementary devices | Yes |
| Product function | |
| Product function / neutral conductor switching | No |
| Number | |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 28 |
| Connections | |
| Connectable conductor cross-section / stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |

| | |
|---|--|
| Connectable conductor cross-section | |
| <ul style="list-style-type: none"> • solid <ul style="list-style-type: none"> — minimum — maximum • finely stranded / with core end processing <ul style="list-style-type: none"> — minimum — maximum | 0.75 mm ² 25 mm ² 0.75 mm ² 25 mm ² |
| Tightening torque / with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum • maximum | 2.5 N·m 3 N·m |

| Mechanical Design | |
|-----------------------|-------|
| Height | 90 mm |
| Width | 18 mm |
| Depth | 76 mm |
| Mounting position | any |
| Installation depth | 70 mm |
| Number of width units | 1 |
| Net weight | 155 g |

| Environmental conditions | |
|--|--|
| Degree of pollution | 2 |
| Ambient temperature | |
| <ul style="list-style-type: none"> • minimum • maximum • during storage / minimum • during storage / maximum | -25 °C 55 °C -40 °C 75 °C |

| Certificates | |
|--|------------|
| Reference code | |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 | F F |

Waste electronic equipment must not be disposed as unsorted municipal waste, e.g. household waste. For disposing the waste electronic equipment it is necessary to observe the current local national/international regulations.



| | | |
|--------------------------|---------------------------|-------------------|
| 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=5SL4150-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4150-8>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4150-8

CAX-Online-Generator

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

Tender specifications

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



