

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A Circuit breaker 230/400 V 6kA, 1-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 | 1 |
| Number of poles / Note | 1P |
| Tripping characteristic class | C |
| circuit-breaker / Design | 5SL6CC |
| Overtoltage category | 3 |
| Voltage | |
| 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 | |
| Type of voltage | AC |
| 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 60 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 | 6 kA |
| Energy limiting class | 3 |

| Dissipation | |
|---|-------|
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 2.4 W |

| Current | |
|---|--------------------------------------|
| Tripping residual / rated value / derated current / at 40 Cel | 18.86 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 |

| Connections | |
|--|--|
| 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 |

| Mechanical Design | |
|-----------------------|-------|
| Height | 90 mm |
| Width | 18 mm |
| Depth | 76 mm |
| Installation depth | 70 mm |
| Number of width units | 1 |

| | |
|--|---------------------------------------|
| Mounting position | any |
| Environmental conditions | |
| Influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |
| Vibration resistance / acc. to IEC 60068-2-6 | 50 m/s ² at 25 to 150 Hz |
| Ambient temperature | |
| • minimum | -25 °C |
| • maximum | 45 °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



CCC



RCM



EG-Konf.

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?mfb=5SL6120-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6120-7CC>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6120-7CC

CAX-Online-Generator

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

Tender specifications

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



