

Miniature circuit-breaker 220 V DC DC 10 kA 1-pole C 20

| Model | |
|--|---|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 1 |
| design of pole | 1P |
| tripping characteristic class | C |
| mechanical service life (operating cycles) typical | 8 500 |
| overvoltage category | 3 |
| degree of pollution | 2 |
| Voltage | |
| type of voltage of the operating voltage | DC |
| type of voltage | Use only in alternating current or direct current circuits. Mixed use is not permitted. |
| Supply voltage | |
| operating voltage | |
| <ul style="list-style-type: none"> at DC rated value maximum | 220 V |
| Protection class | |
| protection class IP | IP20, with connected conductors |
| suitability for operation | Residential buildings/infrastructure |
| Product details | |
| product feature touch protection | Yes |
| product component neutral conductor switching | No |
| product feature halogen-free | Yes |
| product feature sealable | Yes |
| product feature silicon-free | Yes |
| product extension installable 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 | |
| <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 |
| installation depth | 70 mm |
| number of modular width units | 1 |
| mounting position | any |
| Net Weight | 0.15 kg |
| 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

| | |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Con-
firmations](#)

[Environmental Con-
firmations](#)



[Confirmation](#)



| | | |
|-------------------|-------|-----------------|
| Test Certificates | other | Dangerous goods |
|-------------------|-------|-----------------|

[Miscellaneous](#)

[Confirmation](#)



[Transport Information](#)

Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL5120-7RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL5120-7RC>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5120-7RC

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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