

Miniature circuit breaker 230 V 6kA, 1+N-pole/1 MW, C 4A



| Model | |
|--|---------------------------------|
| Product brand name | SENTRON |
| Product designation | Miniature circuit breaker |
| General technical data | |
| Number of poles / Note | 1P+N |
| Tripping characteristic class | C |
| Mechanical service life (switching cycles) / typical | 4 000 |
| Overvoltage category | III |
| Supply voltage | |
| Type of voltage | AC |
| Current / at AC / rated value | 4 A |
| Supply voltage | |
| • at AC / rated value | 230 V |
| Operating voltage | |
| • minimum | 24 V |
| • with single-phase operation / at AC / maximum | 250 V |
| 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 W |
| Product details | |
| Product function / neutral conductor switching | Yes |
| Product feature / Touch protection | Yes |
| Product component | |
| <ul style="list-style-type: none"> • combined terminal top | No |
| <ul style="list-style-type: none"> • combined terminal bottom | No |
| Product feature | |
| <ul style="list-style-type: none"> • Properties for main switches in accordance with EN 60204-1 | No |
| <ul style="list-style-type: none"> • halogen-free | Yes |
| <ul style="list-style-type: none"> • sealable | Yes |
| <ul style="list-style-type: none"> • silicon-free | Yes |
| Connections | |
| <ul style="list-style-type: none"> • Connectable conductor cross-section <hr/> | 0.75 ... 16 |
| <ul style="list-style-type: none"> — stranded <hr/> | 0.75 ... 16 |
| <ul style="list-style-type: none"> • Connectable conductor cross-section / finely stranded / with core end processing <hr/> | 0.75 ... 10 |
| Tightening torque [lbf·in] / with screw-type terminals | 17.7 ... 22.1 |
| Tightening torque / with screw-type terminals | 2 ... 2.5 |
| Position / of power supply cord | Any |
| Mechanical Design | |
| Height | 90 mm |
| Width | 18 mm |
| Depth | 76 mm |
| Installation depth | 70 mm |
| Number of width units | 1 |
| Mounting type | standard rail |
| Mounting position | any |
| Net weight | 127 g |

Environmental conditions

| | |
|--|---------------------------------------|
| Influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |
| Vibration resistance / acc. to IEC 60068-2-6 | Yes |
| Ambient temperature | -25 ... +45 |
| | -40 ... +75 |

Certificates

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

| General Product Approval | Declaration of Conformity | Test Certificates |
|--|---|-------------------------------|
|  CCC |  EG-Konf. | |
|  IMQ | Miscellaneous | Miscellaneous |
|  VDE | | |

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=5SY6004-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY6004-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6004-7

CAX-Online-Generator

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

Tender specifications

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

