

Miniature circuit breaker 230 V 6kA, 1+N-pole/1 MW, C 40 A



| Model | |
|---|----------------------------------|
| Product brand name | SENTRON |
| Product designation | Miniature circuit breaker |
| Design of the product | 5SY60 miniature circuit breakers |
| General technical data | |
| Number of poles | 2 |
| Number of poles / Note | 1P+N |
| Tripping characteristic class | C |
| circuit-breaker / Design | 5SY60 |
| Oversvoltage category | 3 |
| Voltage | |
| Type of voltage | AC |
| Insulation voltage | |
| • at AC / rated value | 250 V |
| • with single-phase operation / at AC / rated value | 250 V |
| Supply voltage | |
| Supply voltage / at AC / rated value | 230 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 | 6 kA |
| • acc. to IEC 60947-2 / rated value | 6 kA |
| Dissipation | |
| Power loss [W] | |
| • at N pole / at rated current / at AC / during operation | 1.82 W |
| • for rated value of the current / at AC / in hot operating state / per pole | 3.8 W |
| Electricity | |
| Tripping residual / rated value / derated current / at 40 Cel | 38 A |
| Current / at AC / rated value | 40 A |
| Main circuit | |
| Operating voltage | |
| • minimum | 24 V |
| • with single-phase operation / at AC / maximum | 250 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 | Yes |
| Number | |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 6 |
| Connections | |
| Connectable conductor cross-section / stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 16 mm ² |

| | |
|--|--|
| Connectable conductor cross-section / solid | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 16 mm ² |
| Tightening torque / with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum • maximum | 2 N·m 2.5 N·m |
| Position / of power supply cord | Any |

Mechanical Design

| | |
|-----------------------|-------|
| Height | 90 mm |
| Depth | 76 mm |
| Mounting position | any |
| Installation depth | 70 mm |
| Number of width units | 1 |
| Net weight | 131 g |

Environmental conditions

| | |
|--|---------------------------------------|
| Degree of pollution | 2 |
| Influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |
| Vibration resistance / acc. to IEC 60068-2-6 | Yes |
| Ambient temperature | |
| <ul style="list-style-type: none"> • minimum • maximum • during storage / minimum • during storage / maximum | -25 °C 45 °C -40 °C 75 °C |

| | | |
|---------------------------------|----------------------------------|--------------------------|
| 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=5SY6040-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY6040-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6040-7

CAX-Online-Generator

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

Tender specifications

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



