



CIRCUIT BREAKER 230/400V 25KA, 1POLE, C, 20A, D=70MM

Similar to image




Technical data:

| | | |
|---|----|-------------------------------|
| product brand name | | SENTRON |
| Product designation | | 5SY miniature circuit breaker |
| Mounting type | | Quick assembly system |
| Type of voltage | | AC/DC |
| Height | mm | 90 |
| Width | mm | 18 |
| Depth | mm | 76 |
| Net weight | g | 161 |
| mounting position | | any |
| Mounting depth | mm | 70 |
| Current / for AC / rated value | A | 20 |
| Tripping characteristic class | | C |
| Supply voltage | | |
| • for AC / rated value | V | 400 |
| Supply voltage / for DC / rated value | | |
| • with single-phase operation / with AC / rated value | V | 230 |
| • with multi-phase operation / with AC / rated value | V | 400 |
| Number of poles /note | | 1P |

| | | |
|--|-----------------|---|
| Switching capacity current | | |
| • in accordance with IEC 60947-2 / rated value | kA | 30 |
| • with DC / in accordance with IEC 60947-2 / rated value | kA | 15 |
| Breaking capacity short-circuit current (I_{cn}) | | |
| • with AC / in accordance with UL 1077 and CSA C22.2 No.235 | kA | 5 |
| Active power loss / at rated value current / with AC / in warm operating state / per pole | W | 1.2 |
| Number of width units | | 1 |
| Product extension / can be installed / supplementary device | | Yes |
| Product feature / sealable | | Yes |
| Degree of pollution | | 3 |
| Influence of the surrounding temperature | | max. 95% humidity |
| Ambient temperature | °C | -25 ... +55 |
| Ambient temperature | | |
| • during storage | °C | -40 ... +75 |
| Position / of power supply cord | | Any |
| Product property / properties for main switches in accordance with EN 60204-1 | | Yes |
| Mechanical operating cycles as operating time / typical | | 20,000 |
| Resistance against vibration / according to IEC 60068-2-6 | | 50m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| Overvoltage class | | 3 |
| Product equipment / touch-protection | | Yes |
| Resistance against shock / according to IEC 60068-2-27 | | 150m/s ² at 11ms half-sine |
| Insulation voltage | | |
| • with single-phase operation / with AC / rated value | V | 250 |
| • with multi-phase operation / with AC / rated value | V | 440 |
| AWG number | | |
| • as encoded connectable conductor cross-section | | 14 ... 4 |
| Section de conducteur raccordable | | |
| • solid | mm ² | 0.75 ... 35 |
| • multibrin | mm ² | 0.75 ... 35 |
| • finely stranded | | |
| • with wire end processing | mm ² | 0.75 ... 25 |
| Product component | | |
| • combined terminal top | | Yes |
| • combined terminal bottom | | Yes |
| Tightening torque | | |
| • with screw-type terminals | N·m | 2.5 ... 3 |
| Tightening torque (lbf-in) | | |
| • with screw connection | lbf-in | 22 ... 26 |

| | | |
|--|--|-----|
| Product feature | | |
| • silicon-free | | Yes |
| • halogen-free | | Yes |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 | | 6 |
| Reference code / according to DIN EN 61346-2 | | F |

Certificates/approvals:

| General Product Approval | Declaration of Conformity | other |
|---|---|---|
|  GOST |  UL |  EG-Konf. |
| | | other |

Further information:

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY8120-7>

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

<http://support.automation.siemens.com/WW/view/en/5SY8120-7/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8120-7

CAX-Online-Generator

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

Tender specifications

[Datanorm GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)



last change:

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