



CIRCUIT BREAKER 230/400V 10KA, 1-POLE, C, 2A, D=70MM

Similar to image

| Technical data:                                       |    |                               |
|-------------------------------------------------------|----|-------------------------------|
| product brand name                                    |    | SETRON                        |
| 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  | 166                           |
| mounting position                                     |    | any                           |
| Mounting depth                                        | mm | 70                            |
| Current / for AC / rated value                        | A  | 2                             |
| 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                            |

|                                                                                                  |                 |                                                                         |
|--------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|
| <b>Switching capacity current</b>                                                                |                 |                                                                         |
| • in accordance with IEC 60947-2 / rated value                                                   | kA              | 35                                                                      |
| • with DC / in accordance with IEC 60947-2 / rated value                                         | kA              | 15                                                                      |
| • acc. to EN 60898 / rated value                                                                 | kA              | 10                                                                      |
| <b>Breaking capacity short-circuit current (I<sub>cn</sub>)</b>                                  |                 |                                                                         |
| • with DC / in accordance with EN 60898-2                                                        | kA              | 10                                                                      |
| • with AC / in accordance with UL 1077 and CSA C22.2 No.235                                      | kA              | 5                                                                       |
| <b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b> | W               | 1.2                                                                     |
| <b>Number of width units</b>                                                                     |                 | 1                                                                       |
| <b>Product extension / can be installed / supplementary device</b>                               |                 | Yes                                                                     |
| <b>Product feature / sealable</b>                                                                |                 | Yes                                                                     |
| <b>Degree of pollution</b>                                                                       |                 | 3                                                                       |
| <b>Influence of the surrounding temperature</b>                                                  |                 | max. 95% humidity                                                       |
| <b>Ambient temperature</b>                                                                       | °C              | -25 ... +55                                                             |
| <b>Ambient temperature</b><br>• during storage                                                   | °C              | -40 ... +75                                                             |
| <b>Position / of power supply cord</b>                                                           |                 | Any                                                                     |
| <b>Product property / properties for main switches in accordance with EN 60204-1</b>             |                 | Yes                                                                     |
| <b>Mechanical operating cycles as operating time / typical</b>                                   |                 | 20,000                                                                  |
| <b>Resistance against vibration / according to IEC 60068-2-6</b>                                 |                 | 50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| <b>Overvoltage class</b>                                                                         |                 | 3                                                                       |
| <b>Product equipment / touch-protection</b>                                                      |                 | Yes                                                                     |
| <b>Resistance against shock / according to IEC 60068-2-27</b>                                    |                 | 150m/s <sup>2</sup> at 11ms half-sine                                   |
| <b>Insulation voltage</b>                                                                        |                 |                                                                         |
| • with single-phase operation / with AC / rated value                                            | V               | 250                                                                     |
| • with multi-phase operation / with AC / rated value                                             | V               | 440                                                                     |
| <b>AWG number</b>                                                                                |                 |                                                                         |
| • as encoded connectable conductor cross-section                                                 |                 | 14 ... 4                                                                |
| <b>Section de conducteur raccordable</b>                                                         |                 |                                                                         |
| • solid                                                                                          | mm <sup>2</sup> | 0.75 ... 35                                                             |
| • multibrin                                                                                      | mm <sup>2</sup> | 0.75 ... 35                                                             |
| • finely stranded                                                                                |                 |                                                                         |
| • with wire end processing                                                                       | mm <sup>2</sup> | 0.75 ... 25                                                             |
| <b>Product component</b>                                                                         |                 |                                                                         |
| • combined terminal top                                                                          |                 | Yes                                                                     |
| • combined terminal bottom                                                                       |                 | Yes                                                                     |
| <b>Tightening torque</b>                                                                         |                 |                                                                         |
| • with screw-type terminals                                                                      | N·m             | 2.5 ... 3                                                               |

|                                                                                              |        |            |
|----------------------------------------------------------------------------------------------|--------|------------|
| <b>Tightening torque (lbf-in)</b><br>• with screw connection                                 | lbf-in | 22 ... 26  |
| <b>Product feature</b><br>• silicon-free<br>• halogen-free                                   |        | Yes<br>Yes |
| <b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b> |        | 6          |
| <b>Reference ID / according to DIN EN 61346-2</b>                                            |        | F          |

#### Certificates/approvals:

##### General Product Approval



CCC



GOST



IMQ

[KTL](#)



UL



VDE

##### Declaration of Conformity

##### Test Certificates



EG-Konf.

[Special Test Certificate](#)

##### Shipping Approval

other



DNV



GL



LRS



RINA

[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/5SY4102-7>

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

<http://support.automation.siemens.com/WW/view/en/5SY4102-7/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY4102-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4102-7)

##### CAX-Online-Generator

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



last change:

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