



CIRCUIT-BREAKER 230 V 6 kA,  
1+N-POLE/1MW, N LEFT C 10 A

### General technical data:

|                                                                         |    |           |
|-------------------------------------------------------------------------|----|-----------|
| <b>type of voltage</b>                                                  |    | AC/DC     |
| <b>Mounting depth</b>                                                   | mm | 70        |
| <b>mounting position</b>                                                |    | any       |
| <b>Current / for AC / rated value</b>                                   | A  | 10        |
| <b>Tripping characteristic class</b>                                    |    | C         |
| <b>Supply voltage</b>                                                   |    |           |
| • for AC / rated value                                                  | V  | 230       |
| • with single-phase operation / with AC / rated value                   | V  | 230       |
| <b>Operating voltage</b>                                                |    |           |
| • minimum                                                               | V  | 24        |
| • with single-phase operation / with AC / maximum                       | V  | 250       |
| <b>Number of poles /note</b>                                            |    | 1P+N left |
| <b>Switching capacity current</b>                                       |    |           |
| • in accordance with IEC 60947-2 / rated value                          | kA | 6         |
| • acc. to EN 60898 / rated value                                        | kA | 6         |
| <b>Active power loss</b>                                                |    |           |
| • at rated value current / with AC / in warm operating state / per pole | W  | 1.297     |
| • at N pole / at rated current / with AC / during operation             | W  | 0.406     |

|                                                                                                                            |                                                       |                                           |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------|
| Number of pitch units for width                                                                                            |                                                       | 1                                         |
| Product feature / sealable                                                                                                 |                                                       | Yes                                       |
| Protection class IP                                                                                                        |                                                       | IP20, with connected conductors           |
| Degree of pollution                                                                                                        |                                                       | 2                                         |
| Influence of the surrounding temperature                                                                                   |                                                       | Periodically +55°C, max. 95% humidity     |
| Ambient temperature                                                                                                        | °C                                                    | -25 ... +45                               |
| Ambient temperature<br>• during storage                                                                                    | °C                                                    | -40 ... +75                               |
| Mechanical operating cycles as operating time / typical                                                                    |                                                       | 20,000                                    |
| Overvoltage class                                                                                                          |                                                       | 3                                         |
| Product equipment / touch-protection                                                                                       |                                                       | Yes                                       |
| Insulation voltage I for AC / rated value                                                                                  | V                                                     | 250                                       |
| Conductor cross-section that can be connected<br>• solid<br>• multibrin<br>• finely stranded<br>• with wire end processing | mm <sup>2</sup><br>mm <sup>2</sup><br>mm <sup>2</sup> | 0.75 ... 16<br>0.75 ... 16<br>0.75 ... 10 |
| Tightening torque<br>• with screw-type terminals                                                                           | N·m                                                   | 2 ... 2.5                                 |
| Product feature<br>• [not supplied - silicon-free]<br>• halogen-free                                                       |                                                       | Yes<br>Yes                                |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30                                      |                                                       | 6                                         |

#### Certificates/approvals:

General Product Approval

Declaration of  
Conformity

other



CCC



GOST

[other](#)



VDE



EG-Konf.

[other](#)

#### Further information:

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

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

Industry Mall (Online ordering system)

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

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

<http://support.automation.siemens.com/WW/view/en/5SY6010-7KL/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY6010-7KL](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6010-7KL)

CAX-Online-Generator

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

last change:

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