

RCBO, 10 kA, 1P+N, type A, short-time-delayed G, super-resistant  
K, 30 mA, C-Char, In: 16 A, Un AC: 230 V



| Model                                                |         |
|------------------------------------------------------|---------|
| Product brand name                                   | SENTRON |
| Product designation                                  | RCBO    |
| General technical data                               |         |
| Number of poles                                      | 2       |
| Number of poles / Note                               | 1P+N    |
| Number of poles / with protection                    | 1       |
| Tripping characteristic class                        | C       |
| circuit-breaker / Design                             | 5SU1    |
| Mechanical service life (switching cycles) / typical | 10 000  |
| Overvoltage category                                 | III     |
| Voltage                                              |         |
| Surge current resistance / at (8/20) µs              | 3 kA    |
| Supply voltage                                       |         |
| Type of voltage                                      | AC      |
| Current / at AC / rated value                        | 16 A    |
| Supply voltage                                       |         |
| • for testing equipment / minimum                    | 195 V   |

|                                                                                                    |                                                                         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Supply voltage frequency / rated value                                                             | 50 Hz                                                                   |
| <b>Protection class</b>                                                                            |                                                                         |
| Protection class IP                                                                                | IP20, if the distribution board is installed, with connected conductors |
| <b>Switching capacity</b>                                                                          |                                                                         |
| Breaking capacity short-circuit current (I <sub>cn</sub> ) / according to EN 61009-1 / rated value | 10 kA                                                                   |
| Switching capacity current                                                                         |                                                                         |
| • acc. to EN 60898 / rated value                                                                   | 10 kA                                                                   |
| • acc. to IEC 60947-2 / rated value                                                                | 20 kA                                                                   |
| Rated residual switching capacity (I <sub>Δm</sub> ) / according to IEC 61009-1                    | 10 kA                                                                   |
| Energy limiting class                                                                              | 3                                                                       |
| <b>Dissipation</b>                                                                                 |                                                                         |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole        | 2.8 W                                                                   |
| <b>Current</b>                                                                                     |                                                                         |
| Tripping residual current / rated value                                                            | 30 mA                                                                   |
| Tripping residual / rated value / derated current                                                  |                                                                         |
| • at 30 Cel                                                                                        | 16 A                                                                    |
| • at 40 Cel                                                                                        | 15.2 A                                                                  |
| • at 45 Cel                                                                                        | 14.88 A                                                                 |
| • at 50 Cel                                                                                        | 14.4 A                                                                  |
| • at 55 Cel                                                                                        | 13.92 A                                                                 |
| • at 60 Cel                                                                                        | 13.6 A                                                                  |
| • at 65 Cel                                                                                        | 12.96 A                                                                 |
| • at 70 Cel                                                                                        | 12.32 A                                                                 |
| Type of fault current                                                                              | A                                                                       |
| <b>Product details</b>                                                                             |                                                                         |
| Product function / neutral conductor switching                                                     | Yes                                                                     |
| Product feature / Touch protection                                                                 | Yes                                                                     |
| Product feature                                                                                    |                                                                         |
| • halogen-free                                                                                     | Yes                                                                     |
| • silicon-free                                                                                     | Yes                                                                     |
| <b>Connections</b>                                                                                 |                                                                         |
| Connectable conductor cross-section                                                                |                                                                         |
| • stranded                                                                                         | 0.75 ... 35 mm <sup>2</sup>                                             |
| • finely stranded / with core end processing                                                       | 0.75 ... 35 mm <sup>2</sup>                                             |
|                                                                                                    | 0.75 ... 25 mm <sup>2</sup>                                             |

|                                               |                      |
|-----------------------------------------------|----------------------|
| Tightening torque / with screw-type terminals | 2.5 ... 3 N·m        |
| Position / of power supply cord               | Either top or bottom |

#### Mechanical Design

|                       |       |
|-----------------------|-------|
| Height                | 90 mm |
| Width                 | 36 mm |
| Depth                 | 77 mm |
| Installation depth    | 70 mm |
| Number of width units | 2     |
| Mounting position     | any   |
| Net weight            | 283 g |

#### Environmental conditions

|                                          |                   |
|------------------------------------------|-------------------|
| Influence of the surrounding temperature | Max. 95% humidity |
| Ambient temperature                      | -25 ... +55 °C    |
|                                          | -40 ... +75 °C    |

#### Certificates

|                          |   |
|--------------------------|---|
| Reference code           |   |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

| General Product Approval                                                                                          | Declaration of Conformity                                                                       | Test Certificates                        | other                         |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
|  <a href="#">Miscellaneous</a> | <br>EG-Konf. | <a href="#">Special Test Certificate</a> | <a href="#">Miscellaneous</a> |

#### Railway

[Vibration and Shock](#)

#### 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=5SU1354-7LB16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-7LB16>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1354-7LB16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-7LB16)

**CAX-Online-Generator**

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



