

RCBO elm, 10 kA, 4P, type B, short-time delayed K, 300 mA, C-char, In: 125 A, Un AC: 480 V



| Model                                                |    |         |
|------------------------------------------------------|----|---------|
| product brandname                                    |    | SENTRON |
| Product designation                                  |    | RCBO    |
| General technical data                               |    |         |
| Number of poles                                      |    | 4       |
| Number of poles / Note                               |    | 4P      |
| Number of poles / with protection                    |    | 4       |
| 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) $\mu$ s         | kA | 3       |
| Supply voltage                                       |    |         |
| Supply voltage                                       |    |         |
| • at AC / rated value                                | V  | 480     |
| • for testing equipment / minimum                    | V  | 100     |
| Supply voltage frequency / rated value               | Hz | 50      |

| Protection class                                                           |                 |                                                                         |
|----------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|
| Protection class IP                                                        |                 | IP20, if the distribution board is installed, with connected conductors |
| Energy limiting class                                                      |                 | 3                                                                       |
| Switching capacity                                                         |                 |                                                                         |
| Switching capacity current                                                 |                 |                                                                         |
| • acc. to EN 60898 / rated value                                           | kA              | 10                                                                      |
| • acc. to IEC 60947-2 / rated value                                        | kA              | 15                                                                      |
| Electricity                                                                |                 |                                                                         |
| Tripping residual current / rated value                                    | mA              | 300                                                                     |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 °C                     | A               | 115.62                                                                  |
| Type of fault current                                                      |                 | B                                                                       |
| Current / at AC / rated value                                              | A               | 125                                                                     |
| Product details                                                            |                 |                                                                         |
| Product feature / Touch protection                                         |                 | Yes                                                                     |
| Product feature                                                            |                 |                                                                         |
| • halogen-free                                                             |                 | Yes                                                                     |
| • silicon-free                                                             |                 | Yes                                                                     |
| Product function                                                           |                 |                                                                         |
| Product function / neutral conductor switching                             |                 | Yes                                                                     |
| Number                                                                     |                 |                                                                         |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 |                 | 26                                                                      |
| Connections                                                                |                 |                                                                         |
| Connectable conductor cross-section / stranded                             |                 |                                                                         |
| • minimum                                                                  | mm <sup>2</sup> | 6                                                                       |
| • maximum                                                                  | mm <sup>2</sup> | 50                                                                      |
| Connectable conductor cross-section                                        |                 |                                                                         |
| • solid                                                                    |                 |                                                                         |
| — minimum                                                                  | mm <sup>2</sup> | 6                                                                       |
| — maximum                                                                  | mm <sup>2</sup> | 50                                                                      |
| • finely stranded / with core end processing                               |                 |                                                                         |
| — minimum                                                                  | mm <sup>2</sup> | 6                                                                       |
| — maximum                                                                  | mm <sup>2</sup> | 35                                                                      |
| Tightening torque / with screw-type terminals                              |                 |                                                                         |
| • minimum                                                                  | N·m             | 3                                                                       |
| • maximum                                                                  | N·m             | 3.5                                                                     |
| Position / of power supply cord                                            |                 | Either top or bottom                                                    |
| Mechanical Design                                                          |                 |                                                                         |

|                       |    |       |
|-----------------------|----|-------|
| Height                | mm | 90    |
| Width                 | mm | 198   |
| Depth                 | mm | 77    |
| Mounting position     |    | any   |
| Installation depth    | mm | 70    |
| Number of width units |    | 11    |
| Net weight            | g  | 2 074 |

#### Environmental conditions

|                                          |    |                   |
|------------------------------------------|----|-------------------|
| Influence of the surrounding temperature |    | Max. 95% humidity |
| Ambient temperature                      |    |                   |
| • minimum                                | °C | -25               |
| • maximum                                | °C | 55                |
| • during storage / minimum               | °C | -40               |
| • during storage / maximum               | °C | 75                |

#### Certificates

|                          |  |   |
|--------------------------|--|---|
| Equipment marking        |  |   |
| • acc. to DIN EN 61346-2 |  | F |
| • acc. to DIN EN 81346-2 |  | F |

#### General Product Approval

#### Declaration of Conformity



[sonstig](#)



EG-Konf.

#### 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/5SU1674-7CK82>

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

<http://support.automation.siemens.com/WW/view/en/5SU1674-7CK82/all>

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

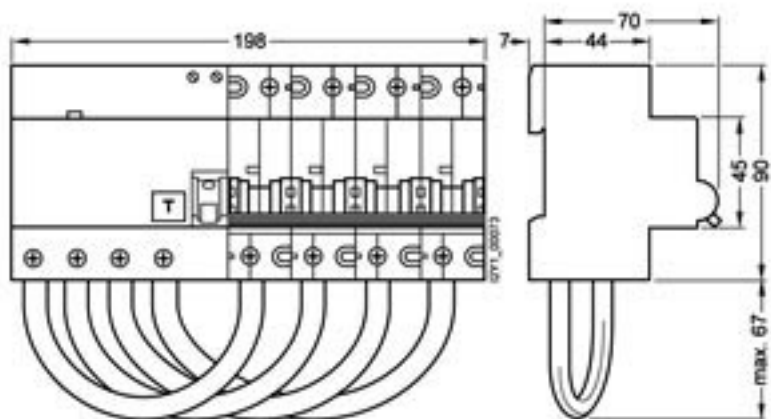
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1674-7CK82](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1674-7CK82)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

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