



Figure similar

RCBO, 6 kA, 1P+N, type A, 30 mA, C-Char, In: 16 A, Un AC: 230 V

| Model                                                         |                                                                         |
|---------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                            | SETRON                                                                  |
| product designation                                           | RCBO                                                                    |
| design of the product                                         | Instantaneous                                                           |
| General technical data                                        |                                                                         |
| number of poles                                               | 2                                                                       |
| number of poles with protection                               | 1                                                                       |
| design of pole                                                | 1P+N                                                                    |
| tripping characteristic class                                 | C                                                                       |
| mechanical service life (operating cycles) typical            | 10 000                                                                  |
| overvoltage category                                          | III                                                                     |
| degree of pollution                                           | 2                                                                       |
| Voltage                                                       |                                                                         |
| type of voltage of the operating voltage                      | AC                                                                      |
| insulation voltage (Ui) rated value                           | 264 V                                                                   |
| surge voltage resistance rated value                          | 4 000 V                                                                 |
| surge current resistance at (8/20) µs                         | 1 kA                                                                    |
| tripping fault current rated value                            | 30 mA                                                                   |
| operational current                                           |                                                                         |
| • at 30 °C rated value                                        | 16 A                                                                    |
| • at 40 °C rated value                                        | 15.2 A                                                                  |
| • at 45 °C rated value                                        | 14.88 A                                                                 |
| • at 50 °C rated value                                        | 14.4 A                                                                  |
| • at 55 °C rated value                                        | 13.92 A                                                                 |
| • at 60 °C rated value                                        | 13.6 A                                                                  |
| • at 65 °C rated value                                        | 12.96 A                                                                 |
| • at 70 °C rated value                                        | 12.32 A                                                                 |
| • at AC rated value                                           | 16 A                                                                    |
| residual current type                                         | A                                                                       |
| Supply voltage                                                |                                                                         |
| supply voltage                                                |                                                                         |
| • at AC rated value                                           | 230/240 V                                                               |
| • for testing equipment minimum                               | 195 V                                                                   |
| operating frequency                                           | 50 Hz                                                                   |
| supply voltage frequency rated value                          | 50 Hz                                                                   |
| Protection class                                              |                                                                         |
| protection class IP                                           | IP20, if the distribution board is installed, with connected conductors |
| Breaking Capacity                                             |                                                                         |
| short-circuit current breaking capacity (Icn) according to EN | 6 kA                                                                    |

|                                                                              |                      |
|------------------------------------------------------------------------------|----------------------|
| 61009-1 rated value                                                          |                      |
| switching capacity current                                                   |                      |
| • according to EN 60898 rated value                                          | 6 kA                 |
| • according to IEC 60947-2 rated value                                       | 15 kA                |
| rated residual switching capacity (I $\Delta$ m) according to IEC 61009-1    | 6 kA                 |
| energy limitation class                                                      | 3                    |
| <b>Dissipation</b>                                                           |                      |
| power loss [W]                                                               |                      |
| • maximum                                                                    | 2.8 W                |
| <b>Product details</b>                                                       |                      |
| <b>product feature</b>                                                       |                      |
| • halogen-free                                                               | Yes                  |
| • silicon-free                                                               | Yes                  |
| <b>Connections</b>                                                           |                      |
| connectable conductor cross-section solid                                    |                      |
| • minimum                                                                    | 0.75 mm <sup>2</sup> |
| • maximum                                                                    | 35 mm <sup>2</sup>   |
| connectable conductor cross-section stranded                                 |                      |
| • minimum                                                                    | 0.75 mm <sup>2</sup> |
| • maximum                                                                    | 35 mm <sup>2</sup>   |
| connectable conductor cross-section finely stranded with core end processing |                      |
| • minimum                                                                    | 0.75 mm <sup>2</sup> |
| • maximum                                                                    | 25 mm <sup>2</sup>   |
| tightening torque with screw-type terminals                                  |                      |
| • minimum                                                                    | 2.5 N·m              |
| • maximum                                                                    | 3 N·m                |
| position of power supply cord                                                | Either top or bottom |
| <b>Mechanical Design</b>                                                     |                      |
| height                                                                       | 90 mm                |
| width                                                                        | 36 mm                |
| depth                                                                        | 77 mm                |
| installation depth                                                           | 70 mm                |
| number of modular width units                                                | 2                    |
| mounting position                                                            | any                  |
| net weight                                                                   | 267 g                |
| weight with packaging                                                        | 269 g                |
| <b>Environmental conditions</b>                                              |                      |
| influence of the surrounding temperature                                     | Max. 95% humidity    |
| ambient temperature during operation                                         |                      |
| • minimum                                                                    | -25 °C               |
| • maximum                                                                    | 55 °C                |
| ambient temperature during storage                                           |                      |
| • minimum                                                                    | -40 °C               |
| • maximum                                                                    | 75 °C                |
| number of test cycles for environmental testing according to IEC 60068-2-30  | 28                   |
| <b>Approvals Certificates</b>                                                |                      |
| <b>General Product Approval</b>                                              |                      |



[Confirmation](#)



|                          |     |                   |                   |
|--------------------------|-----|-------------------|-------------------|
| General Product Approval | EMV | Test Certificates | Marine / Shipping |
|--------------------------|-----|-------------------|-------------------|

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[Miscellaneous](#)

[Special Test Certificate](#)



| other |  |  | Railway |  | Dangerous Good |
|-------|--|--|---------|--|----------------|
|-------|--|--|---------|--|----------------|

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#### Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SU1356-7KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7KK16>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1356-7KK16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-7KK16)

CAX-Online-Generator

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

Tender specifications

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



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