



Residual current operated circuit breaker, 4-pole, Type B, short-time delayed, In: 63 A, 30 mA, Un AC: 400 V

| Model                                                                  |                                                                         |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                                     | SENTRON                                                                 |
| product designation                                                    | RCCB                                                                    |
| design of the product                                                  | Short-time delayed                                                      |
| product type designation                                               | 5SV3                                                                    |
| product variations                                                     | SIGRES                                                                  |
| General technical data                                                 |                                                                         |
| number of poles                                                        | 4                                                                       |
| size of installation devices according to DIN 43880                    | 1                                                                       |
| mechanical service life (operating cycles) typical                     | 10 000                                                                  |
| short-circuit current of series fuse maximum permissible               | 100 A                                                                   |
| short-circuit current rating                                           | 10 kA                                                                   |
| switching function short-term delayed                                  | Yes                                                                     |
| overvoltage category                                                   | III                                                                     |
| Supply voltage                                                         |                                                                         |
| supply voltage for testing equipment minimum                           | 70 V                                                                    |
| value range of the supply voltage frequency                            | 50/60 Hz                                                                |
| value range of the operating frequency                                 | 50/60 Hz                                                                |
| value range of the supply voltage at AC                                | 70-440 V                                                                |
| Protection class                                                       |                                                                         |
| protection class IP                                                    | IP20, if the distribution board is installed, with connected conductors |
| Switching capacity                                                     |                                                                         |
| switching capacity current                                             |                                                                         |
| • according to IEC 61008-1 rated value                                 | 0.8 kA                                                                  |
| Dissipation                                                            |                                                                         |
| power loss [W]                                                         |                                                                         |
| • for rated value of the current at AC in hot operating state per pole | 5 W                                                                     |
| • maximum                                                              | 15 W                                                                    |
| Product details                                                        |                                                                         |
| product feature silicon-free                                           | Yes                                                                     |
| product extension installable supplementary devices                    | Yes                                                                     |
| Connections                                                            |                                                                         |
| 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>                                                      |
| tightening torque with screw-type terminals                            |                                                                         |

|                                                                             |                                                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------|
| • minimum                                                                   | 2.5 N-m                                                            |
| • maximum                                                                   | 3 N-m                                                              |
| position of power supply cord                                               | top or bottom (top for SIGRES function also in switched-off state) |
| <b>Mechanical Design</b>                                                    |                                                                    |
| height                                                                      | 90 mm                                                              |
| width                                                                       | 72 mm                                                              |
| depth                                                                       | 70 mm                                                              |
| installation depth                                                          | 70 mm                                                              |
| number of modular width units                                               | 4                                                                  |
| fastening method                                                            | DIN rail (REG)                                                     |
| mounting position                                                           | any                                                                |
| grid spacing                                                                | 60 mm                                                              |
| net weight                                                                  | 546 g                                                              |
| <b>Environmental conditions</b>                                             |                                                                    |
| ambient temperature during operation                                        |                                                                    |
| • minimum                                                                   | -25 °C                                                             |
| • maximum                                                                   | 45 °C                                                              |
| ambient temperature during storage minimum                                  | -40 °C                                                             |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28                                                                 |
| <b>General Product Approval</b>                                             |                                                                    |
| <b>Declaration of Con-<br/>formity</b>                                      |                                                                    |

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|-------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| <b>Declaration of Con-<br/>formity</b>                                              | <b>Test Certificates</b>      | <b>other</b>                  | <b>Railway</b>                      |
|  | <a href="#">Miscellaneous</a> | <a href="#">Miscellaneous</a> | <a href="#">Confirmation</a>        |
|                                                                                     |                               |                               | <a href="#">Vibration and Shock</a> |
|                                                                                     |                               |                               | <a href="#">Confirmation</a>        |

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| <b>Dangerous Good</b>                 | <b>Environment</b>                                |
| <a href="#">Transport Information</a> | <a href="#">Environmental Con-<br/>firmations</a> |

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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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