

RCBO compact 1P+N 6 kA type A 30 mA C16



| Model | |
|--|---------------|
| product brand name | SENTRON |
| product designation | RCBO |
| design of the product | Instantaneous |
| General technical data | |
| number of poles | 2 |
| number of poles / note | 1P+N |
| number of poles / with protection | 1 |
| tripping characteristic class | C |
| mechanical service life (switching cycles) / typical | 10 000 |
| overvoltage category | III |
| degree of pollution | 2 |
| Voltage | |
| surge current resistance / at (8/20) μ s | 1 kA |
| Supply voltage | |
| type of voltage | AC |
| operational current / at AC / rated value | 16 A |
| supply voltage | |

| | |
|---|-------|
| <ul style="list-style-type: none"> • at AC / rated value | 230 V |
| <ul style="list-style-type: none"> • 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 |

| Switching capacity | |
|--|--------|
| breaking capacity short-circuit current (I _{cn}) / according to EN 61009-1 / rated value | 6 kA |
| switching capacity current | |
| <ul style="list-style-type: none"> • acc. to EN 60898 / rated value | 6 kA |
| <ul style="list-style-type: none"> • acc. to IEC 60947-2 / rated value | 10 kA |
| rated residual switching capacity (I _{Δm}) / according to IEC 61009-1 | 4.5 kA |
| energy limitation class | 3 |

| Dissipation | |
|--|-------|
| power loss [W] | |
| <ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole | 1.7 W |
| <ul style="list-style-type: none"> • maximum | 3.4 W |

| Current | |
|--------------------------------------|-------|
| tripping fault current / rated value | 30 mA |
| residual current type | A |

| Product details | |
|--|-----|
| product function / neutral conductor switching | Yes |
| product feature / touch protection | Yes |
| product feature | |
| <ul style="list-style-type: none"> • halogen-free | Yes |
| <ul style="list-style-type: none"> • silicon-free | Yes |

| Connections | |
|--|----------------------|
| connectable conductor cross-section / solid | |
| <ul style="list-style-type: none"> • minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> • maximum | 16 mm ² |
| connectable conductor cross-section / stranded | |
| <ul style="list-style-type: none"> • minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> • maximum | 16 mm ² |
| connectable conductor cross-section / finely stranded / with core end processing | |
| <ul style="list-style-type: none"> • minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> • maximum | 10 mm ² |

| | |
|--|-----------------------------|
| tightening torque / with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum • maximum | <p>1.2 N·m</p> <p>2 N·m</p> |
| position / of power supply cord | Either top or bottom |

Mechanical Design

| | |
|-------------------------------|-------|
| height | 90 mm |
| width | 18 mm |
| depth | 77 mm |
| installation depth | 70 mm |
| number of modular width units | 1 |
| mounting position | any |
| net weight | 117 g |
| weight / with packaging | 133 g |

Environmental conditions

| | |
|--|----------------------------|
| influence of the surrounding temperature | Max. 95% humidity |
| ambient temperature / during operation | |
| <ul style="list-style-type: none"> • minimum • maximum | <p>-25 °C</p> <p>45 °C</p> |
| ambient temperature / during storage | |
| <ul style="list-style-type: none"> • minimum • maximum | <p>-40 °C</p> <p>75 °C</p> |
| number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 28 |

Certificates

| | |
|---|-------------------|
| reference code | |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to IEC 81346-2 | <p>F</p> <p>F</p> |

| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|
|--------------------------|---------------------------|-------------------|-------|



[Special Test Certificate](#)

[Miscellaneous](#)

[Confirmation](#)

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?mfb=5SV1316-7KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7KK16>







