## SIEMENS

Data sheet

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| operational current rated value | 6.3 A |
| :---: | :---: |
| operational current |  |
| - at AC-3 at 400 V rated value | 6.3 A |
| - at AC-3e at 400 V rated value | 6.3 A |
| operating power |  |
| - at AC-3 |  |
| - at 230 V rated value | 1.5 kW |
| - at 400 V rated value | 2.2 kW |
| - at 500 V rated value | 3 kW |
| - at 690 V rated value | 4 kW |
| - at AC-3e |  |
| - at 230 V rated value | 1.5 kW |
| - at 400 V rated value | 2.2 kW |
| - at 500 V rated value | 3 kW |
| - at 690 V rated value | 4 kW |
| operating frequency |  |
| - at AC-3 maximum | $151 / \mathrm{h}$ |
| - at AC-3e maximum | $151 / \mathrm{h}$ |
| Auxiliary circuit |  |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 0 |
| number of CO contacts for auxiliary contacts | 0 |
| Protective and monitoring functions |  |
| product function |  |
| - ground fault detection | No |
| - phase failure detection | Yes |
| trip class | CLASS 10 |
| design of the overload release | thermal |
| maximum short-circuit current breaking capacity (Icu) |  |
| - at AC at 240 V rated value | 100 kA |
| - at AC at 400 V rated value | 100 kA |
| - at AC at 500 V rated value | 100 kA |
| - at AC at 690 V rated value | 6 kA |
| operating short-circuit current breaking capacity (Ics) at AC |  |
| - at 240 V rated value | 100 kA |
| - at 400 V rated value | 100 kA |
| - at 500 V rated value | 100 kA |
| - at 690 V rated value | 4 kA |
| response value current of instantaneous short-circuit trip unit | 130 A |
| UL/CSA ratings |  |
| full-load current (FLA) for 3-phase AC motor |  |
| - at 480 V rated value | 6.3 A |
| - at 600 V rated value | 6.3 A |
| yielded mechanical performance [hp] |  |
| - for single-phase AC motor |  |
| - at 110/120 V rated value | 0.25 hp |
| - at 230 V rated value | 0.5 hp |
| - for 3-phase AC motor |  |
| - at 200/208 V rated value | 1 hp |
| - at 220/230 V rated value | 1.5 hp |
| - at 460/480 V rated value | 3 hp |
| - at 575/600 V rated value | 5 hp |
| Short-circuit protection |  |
| product function short circuit protection | Yes |
| design of the short-circuit trip | magnetic |
| design of the fuse link for IT network for short-circuit protection of the main circuit |  |
| - at 400 V | gL/gG 50 A |
| - at 500 V | gL/gG 40 A |
| - at 690 V | gL/gG 35 A |


| mounting position | any |
| :---: | :---: |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| height | 97 mm |
| width | 45 mm |
| depth | 97 mm |
| required spacing <br> - with side-by-side mounting at the side <br> - for grounded parts at 400 V <br> — downwards <br> - upwards <br> - at the side <br> - for live parts at 400 V <br> — downwards <br> - upwards <br> - at the side <br> - for grounded parts at 500 V <br> — downwards <br> — upwards <br> - at the side <br> - for live parts at 500 V <br> — downwards <br> - upwards <br> — at the side <br> - for grounded parts at 690 V <br> — downwards <br> - upwards <br> — backwards <br> - at the side <br> - forwards <br> - for live parts at 690 V <br> — downwards <br> - upwards <br> — backwards <br> - at the side <br> — forwards | 0 mm 30 mm 30 mm 9 mm 30 mm 30 mm 9 mm 30 mm 30 mm 9 mm 30 mm 30 mm 9 mm 50 mm 50 mm 0 mm 30 mm 0 mm 50 mm 50 mm 0 mm 30 mm 0 mm |
| Connections/ Terminals |  |
| type of electrical connection <br> - for main current circuit | screw-type terminals |
| arrangement of electrical connectors for main current circuit | Top and bottom |
| type of connectable conductor cross-sections <br> - for main contacts <br> — solid or stranded <br> - finely stranded with core end processing <br> - for AWG cables for main contacts | $\begin{aligned} & 2 \times\left(0,75 \ldots 2,5 \mathrm{~mm}^{2}\right), 2 \times 4 \mathrm{~mm}^{2} \\ & 2 \times\left(0.5 \ldots 1.5 \mathrm{~mm}^{2}\right), 2 \times\left(0.75 \ldots 2.5 \mathrm{~mm}^{2}\right) \\ & 2 \times(18 \ldots 14), 2 \times 12 \end{aligned}$ |
| tightening torque <br> - for main contacts with screw-type terminals | 0.8 ... 1.2 N•m |
| design of screwdriver shaft | Diameter 5 to 6 mm |
| size of the screwdriver tip | Pozidriv size 2 |
| design of the thread of the connection screw <br> - for main contacts | M3 |
| Safety related data |  |
| product function suitable for safety function | Yes |
| suitability for use <br> - safety-related switching on <br> - safety-related switching OFF |  |
| service life maximum | 10 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures <br> - with low demand rate according to SN 31920 <br> - with high demand rate according to SN 31920 | $\begin{aligned} & 40 \% \\ & 50 \% \end{aligned}$ |


| B10 value with high demand rate according to SN 31920 |  | 5000 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| failure rate [FIT] with low demand rate according to SN$31920$ |  | 50 FIT |  |  |
| ISO 13849 |  |  |  |  |
| device type according to ISO 13849-1 |  | 3 |  |  |
| overdimensioning according to ISO 13849-2 necessary |  | Yes |  |  |
| IEC 61508 |  |  |  |  |
| safety device type according to IEC 61508-2 |  | Type A |  |  |
| - for proof test interval or service life according to IEC 61508 |  | 10 a |  |  |
| Electrical Safety |  |  |  |  |
| protection class IP on the front according to IEC 60529 |  | IP20 |  |  |
| touch protection on the front according to IEC 60529 |  | finger-safe, for vertical contact from the front |  |  |
| Display |  |  |  |  |
| display version for switching status |  | Handle |  |  |
| Approvals Certificates |  |  |  |  |
| General Product Approval |  |  |  | KC |
| $C E$ <br> EG-Konf. | 4 $\square$ | Confirmation |  |  |
| General Product Approval | Test Certificates | Marine / Shipping |  |  |
|  | $\begin{aligned} & \frac{\text { Type Test Certific- }}{\text { ates/Test Report }} \quad \text { Special } \end{aligned}$ | ific- |  |  |
| Marine / Shipping |  | other |  |  |
| $\begin{aligned} & \frac{\text { Jloyd's }}{\text { Register }} \\ & \text { urs } \end{aligned}$ |  | Miscellaneous | Confirmation |  |
| Railway | Environ |  |  |  |
| Special Test Certificate | Confirmation | Siemens <br> EcoTech |  |  |

## Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,...)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2411-1GA10
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2411-1GA10
Service\&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1GA10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RV2411-1GA10\&lang=en
Characteristic: Tripping characteristics, $\mathrm{I}^{2} \mathrm{t}$, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1GA10/char
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RV2411-1GA10\&objecttype=14\&gridview=view1



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