SIEMENS

Data sheet

3VA1110-6EF32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 3-POLE, LINE PROTECTION TM240, ATAM, IN=100A OVERLOAD PROTECTION IR=70A ...100A SHORT CIRCUIT PROTECTION II=5...10 X IN BUSBAR CONNECTION

Figure similar

| Model | | | | | |
|---|---|-----------------------------|--|--|--|
| product brand name | | SENTRON | | | |
| Product designation | | Molded case circuit breaker | | | |
| Design of the product | | Line protection | | | |
| Product variations | | General Applications | | | |
| Ground fault monitoring version | | Without | | | |
| Design of the auxiliary release | | Without auxiliary release | | | |
| Design of the auxiliary switch | | Without | | | |
| Design of the operating mechanism | | toggle handle | | | |
| Type of the driving mechanism / motor drive | | No | | | |
| Design of the overcurrent release | | TM240 | | | |
| General technical data | | | | | |
| Number of poles | | 3 | | | |
| Trip class / of the L-trip / with I2t characteristic / initial value | | 1 | | | |
| Trip class / of the L-trip / with I2t characteristic / Full- scale value | | 1 | | | |
| Electrical endurance (switching cycles) | | | | | |
| • at AC-1 / at 380/415 V / at 50/60 Hz | | 8 000 | | | |
| circuit-breaker / Design | | 3VA | | | |
| Mechanical service life (switching cycles) / typical | | 15 000 | | | |
| Voltage | | | | | |
| Insulation voltage / Rated value | V | 800 | | | |
| Protection class | | | | | |

| Protection class IP / on the front | _ | | |
|---|-----|-------------------|---|
| | | IP40 | |
| Protective function of the overcurrent release | _ | LI | |
| Switching consoits | | | |
| Switching capacity Switching capacity class of the circuit breaker | - | Н | _ |
| | _ | | |
| Dissipation | _ | | |
| Active power loss | 14/ | 25 | |
| • maximum | W | 25 | |
| Electricity | | | |
| Continuous current / Rated value / maximum | А | 160 | |
| Continuous current / Rated value | А | 100 | |
| Adjustable response value current | | | |
| of the current-dependent overload release / Full-scale value | A | 1 | |
| of the instantaneous short-circuit release / initial value | A | 5 | |
| Main circuit | | | |
| Operating voltage | | | |
| • with AC / at 50/60 Hz / Rated value | V | 690 | |
| for DC / Rated value | V | 500 | |
| Operating current | - | | |
| • at 40 °C / Rated value | А | 100 | |
| • at 50 °C / Rated value | А | 100 | |
| ● at 55 °C / Rated value | А | 98 | |
| • at 60 °C / Rated value | А | 96 | |
| ● at 65 °C / Rated value | А | 94 | |
| • at 70 °C / Rated value | А | 91 | |
| Auxiliary circuit | | | |
| Number of CO contacts / for auxiliary contacts | | 0 | |
| Suitability | | | |
| Suitability for use | | system protection | |
| Adjustable parameters | | | |
| Adjustable response value current | | | |
| • of I-trip / Full-scale value | А | 10 | |
| for N-conductor protection / initial value | А | 0 | |
| for N-conductor protection / Full-scale value | А | 0 | |
| Adjustable response value current / of the current- dependent overload release / initial value | A | 0.7 | |
| Product details | | | |
| Product component | | | |

| Trip indicator | | No |
|---|----|---------------------------|
| ● display | | No |
| Voltage trigger | | No |
| undervoltage release | | No |
| undervoltage release with leading contact | | No |
| Product property | - | |
| for neutral conductors / upgradeable/retrofittable / Short-circuit and overload proof | | No |
| Product expansion / optional / motor drive | | Yes |
| Product function | | |
| Product function | | |
| Intrinsic device protection | | Yes |
| communication function | | No |
| Phase failure detection | | No |
| other measurement function | | No |
| Accessories | | |
| Manufacturer article number / of the supplied basic switch | | <u>3VA1110-6EF32-0AA0</u> |
| Short circuit | _ | |
| Operational short-circuit current breaking capacity | | |
| (lcs) | | |
| • at 240 V / Rated value | kA | 100 |
| ● at 415 V / Rated value | kA | 70 |
| ● at 440 V / Rated value | kA | 36 |
| • at 500 V / Rated value | kA | 15 |
| • at 690 V / Rated value | kA | 5 |
| Maximum short-circuit current breaking capacity (Icu) | | |
| • at 240 V / Rated value | kA | 100 |
| • at 415 V / Rated value | kA | 70 |
| • at 440 V / Rated value | kA | 36 |
| • at 500 V / Rated value | kA | 20 |
| • at 690 V / Rated value | kA | 10 |
| Short-circuit current making capacity (Icm) | | |
| • at 240 V / Rated value | kA | 220 |
| • at 415 V / Rated value | kA | 154 |
| • at 690 V / Rated value | kA | 17 |
| Connections | | |
| Arrangement of electrical connectors / for main | | Front terminal |
| current circuit | | |
| — — — — — — — — — — | | |

Type of connectable conductor cross-section

| | 17 x 6.5 | |
|----|------------------------------|--|
| | Lug termina | al |
| | | |
| mm | 130 | |
| mm | 76.2 | |
| mm | 70 | |
| | fixed mount | ling |
| | | |
| | | |
| °C | -25 | |
| °C | 70 | |
| °C | -40 | |
| °C | 80 | |
| | | |
| | | |
| | Q | |
| | Q | |
| | Declaration of Conformity | Shipping Approval |
| | EG-Konf. | GL DNV GL |
| | °C °C °C °C °C | Imm 130 Imm 76.2 Imm 70 Imm 70 |

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/3VA11106EF320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11106EF320AA0/all

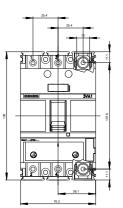
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11106EF320AA0

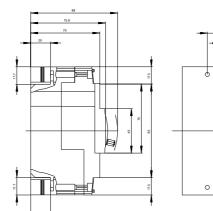
CAx-Online-Generator

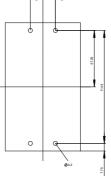
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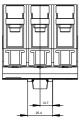
Tender specifications

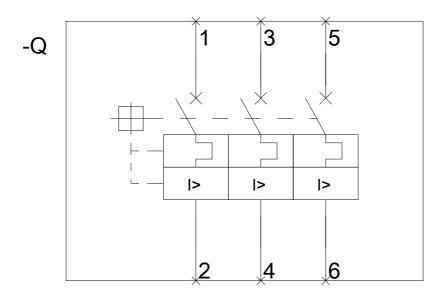
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