SIEMENS

Data sheet

3VA1140-3ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS N ICU=25KA @ 415 V 3-POLE, LINE PROTECTION TM210, FTFM, IN=40A OVERLOAD PROTECTION IR=40A FIXED SHORT CIRCUIT PROTECTION II=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 | | TM210 |
| 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 | - | IP40 | | |
|---|---|-------------------|--|--|
| Protection class IP / on the front | - | IP40 | | |
| Protective function of the overcurrent release | - | LI | | |
| | | | | |
| Switching capacity | _ | N | | |
| Switching capacity class of the circuit breaker | | Ν | | |
| Dissipation | | | | |
| Active power loss | | | | |
| • maximum | W | 10.8 | | |
| Electricity | | | | |
| Continuous current / Rated value / maximum | A | 160 | | |
| Continuous current / Rated value | А | 40 | | |
| Adjustable response value current | - | | | |
| of the current-dependent overload release / Full-scale value | А | 1 | | |
| of the instantaneous short-circuit release / initial value | A | 10 | | |
| 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 | 40 | | |
| • at 50 °C / Rated value | А | 40 | | |
| • at 55 °C / Rated value | А | 39 | | |
| ● at 60 °C / Rated value | А | 39 | | |
| ● at 65 °C / Rated value | А | 38 | | |
| • at 70 °C / Rated value | А | 37 | | |
| Auxiliary circuit | | | | |
| Number of CO contacts / for auxiliary contacts | | 0 | | |
| | | | | |
| Suitability Suitability for use | | system protection | | |
| - - | | | | |
| Adjustable parameters | | | | |
| Adjustable response value current | • | 10 | | |
| • of I-trip / Full-scale value | A | 10 | | |
| for N-conductor protection / initial value | A | 0 | | |
| for N-conductor protection / Full-scale value | A | 0 | | |
| Adjustable response value current / of the current- dependent overload release / initial value | A | 1 | | |
| Product details | | | | |
| Product component | | | | |
| | | | | |

| • Trin indicator | | No |
|---|----|---------------------------|
| Trip indicator | | No |
| • display | | |
| 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>3VA1140-3ED32-0AA0</u> |
| Short circuit | | |
| Operational short-circuit current breaking capacity (Ics) | | |
| • at 240 V / Rated value | kA | 36 |
| • at 415 V / Rated value | kA | 25 |
| • at 440 V / Rated value | kA | 16 |
| • at 500 V / Rated value | kA | 8 |
| • at 690 V / Rated value | kA | 5 |
| Maximum short-circuit current breaking capacity (Icu) | - | |
| • at 240 V / Rated value | kA | 36 |
| • at 415 V / Rated value | kA | 25 |
| • at 440 V / Rated value | kA | 16 |
| • at 500 V / Rated value | kA | 8 |
| • at 690 V / Rated value | kA | 7 |
| Short-circuit current making capacity (Icm) | | |
| • at 240 V / Rated value | kA | 75.6 |
| • at 415 V / Rated value | kA | 52.5 |
| • at 690 V / Rated value | kA | 7.5 |
| Connections | | |
| Arrangement of electrical connectors / for main | | Front terminal |
| current circuit | | |

Type of connectable conductor cross-section

| • for flat-bar terminal connection / minimun | | | 12 | | |
|--|---------|----|----------|---------|-------------------|
| for flat-bar terminal connection / maximum | | | | x 6.5 | |
| Type of electrical connection / for main current | circuit | | Lug | termina | 1 |
| lechanical Design | | | | | |
| Height | | mm | 130 |) | |
| Width | | mm | 76. | 2 | |
| Depth | | mm | 70 | | |
| Mounting type | | | fixe | d mount | ing |
| nvironmental conditions | | | | | |
| Ambient temperature | | | | | |
| during operation / minimum | | °C | -25 | | |
| during operation / maximum | | °C | 70 | | |
| • during storage / minimum | | °C | -40 | | |
| during storage / maximum | | °C | 80 | | |
| Certificates | | | | | |
| Equipment marking | | | | | |
| • acc. to DIN EN 61346-2 | | | Q | | |
| • acc. to DIN EN 81346-2 | | | Q | | |
| General Product Approval EN | IC | | Declarat | | Shipping Approval |
| | | | Conform | lity | |
| ГПГ | other | | (| | ĴÅ. |
| | | | して | | |
| | | | EG-Konf. | | DNV GL |
| | | | | | |
| | | | | | |
| other | | | | | |

| -urther | information | |
|---------|-------------|--|
| ununun | mornation | |

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/3VA11403ED320AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11403ED320AA0/all

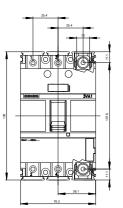
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11403ED320AA0

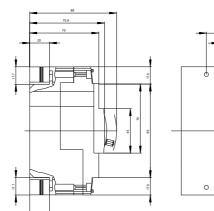
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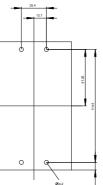
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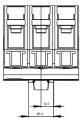
Tender specifications

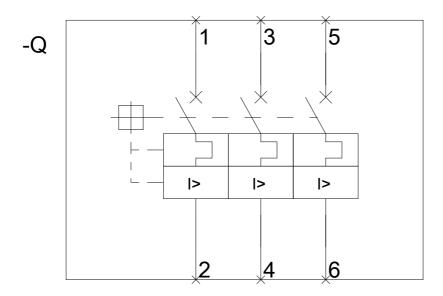
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