# **SIEMENS**

### Datasheet

### 3VA1150-6ED32-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS H ICU=70KA @ 415 V 3-POLE, LINE PROTECTION TM210, FTFM, IN=50A OVERLOAD PROTECTION IR=50A FIXED SHORT CIRCUIT PROTECTION II=10 X IN BUSBAR CONNECTION

Figure similar

| roduct brand name   |   |                             |  |  |
|---|---|-----------------------------|--|--|
|   |   | SENTRON                     |  |  |
| roduct designation  |   | Molded case circuit breaker |  |  |
| esign of the product  |   | Line protection             |  |  |
| roduct variations   |   | General Applications        |  |  |
| round fault monitoring version  |   | Without                     |  |  |
| esign of the auxiliary release  |   | Without auxiliary release   |  |  |
| esign of the auxiliary switch   |   | Without                     |  |  |
| esign of the operating mechanism  |   | toggle handle               |  |  |
| ype of the driving mechanism / motor drive                                |   | No                          |  |  |
| esign of the overcurrent release  |   | TM210                       |  |  |
| eneral technical data   |   |                             |  |  |
| umber of poles  |   | 3                           |  |  |
| rip class / of the L-trip / with I2t characteristic / initial<br>alue     |   | 1                           |  |  |
| rip class / of the L-trip / with I2t characteristic / Full-<br>cale value |   | 1                           |  |  |
| lectrical endurance (switching cycles)                                    |   |                             |  |  |
| • at AC-1 / at 380/415 V / at 50/60 Hz                                    |   | 8 000                       |  |  |
| rcuit-breaker / Design  |   | 3VA                         |  |  |
| lechanical service life (switching cycles) / typical                      |   | 15 000                      |  |  |
| Itage   |   |                             |  |  |
| sulation voltage  |   |                             |  |  |
| Rated value   | V | 800                         |  |  |

| Protection class  |        |                   |
|---|--------|-------------------|
| Protective function of the overcurrent release                      |        | LI                |
| Switching capacity  |        |                   |
| Switching capacity class of the circuit breaker                     |        | Н                 |
|   |        |                   |
| Dissipation   |        |                   |
| Active power loss   | W      | 14.6              |
| • maximum   | VV     | 14.0              |
| Electricity   |        |                   |
| Operating current / at 45 °C / Rated value                          | А      | 50                |
| Continuous current / Rated value / maximum                          | А      | 160               |
| Continuous current  |        |                   |
| <ul> <li>Rated value</li> </ul>                                     | А      | 50                |
| Adjustable response value current                                   |        |                   |
| <ul> <li>of the current-dependent overload release /</li> </ul>     | А      | 1                 |
| Full-scale value  |        |                   |
| • of the instantaneous short-circuit release / initial              | A      | 10                |
| value   |        |                   |
| Net weight  | g      | 900               |
| Main circuit  |        |                   |
| Operating voltage   |        |                   |
| <ul> <li>with AC / at 50/60 Hz / Rated value</li> </ul>             | V      | 690               |
| <ul> <li>for DC / Rated value</li> </ul>                            | V      | 500               |
| Operating current   |        |                   |
| <ul> <li>at 40 °C / Rated value</li> </ul>                          | А      | 50                |
| • at 50 °C / Rated value  | А      | 50                |
| • at 55 °C / Rated value  | А      | 49                |
| • at 60 °C / Rated value  | А      | 48                |
| ● at 65 °C / Rated value  | А      | 46                |
| ● at 70 °C / Rated value  | А      | 45                |
| Auxiliary circuit   |        |                   |
| Number of CO contacts   |        |                   |
| for auxiliary contacts  |        | 0                 |
| <u>.</u>  |        |                   |
| Suitability   |        |                   |
| Suitability for use   |        | system protection |
| Adjustable parameters   |        |                   |
|   |        |                   |
| Adjustable response value current                                   |        |                   |
| Adjustable response value current<br>● of I-trip / Full-scale value | A      | 10                |
|   | A<br>A | 10<br>0           |

| Adjustable response value current / of the current-   | А                          | 1                                       |  |
|---|----------------------------|---|--|
| dependent overload release / initial value  |                            |   |  |
| ppearance   |                            |   |  |
| Product details   |                            |   |  |
| Product component   |                            |   |  |
| Trip indicator  | No                         |   |  |
| ● display   |                            | No                                      |  |
| Voltage trigger   |                            | No                                      |  |
| undervoltage release  |                            | No                                      |  |
| <ul> <li>undervoltage release with leading contact</li> </ul>   |                            | No                                      |  |
| Product property  | _                          |   |  |
| <ul> <li>for neutral conductors /</li> </ul>  |                            | No                                      |  |
| upgradeable/retrofittable / Short-circuit and   |                            |   |  |
| overload proof  |                            |   |  |
| Product expansion   |                            |   |  |
| • optional  |                            | Van                                     |  |
| — motor drive   |                            | Yes                                     |  |
| Product function  |                            |   |  |
| Product function  |                            | N.                                      |  |
| Intrinsic device protection   |                            | Yes                                     |  |
| communication function  |                            | No                                      |  |
| Phase failure detection   |                            | No                                      |  |
| <ul> <li>other measurement function</li> </ul>  |                            | No                                      |  |
| ccessories  | _                          |   |  |
| NALES CONTRACTOR AND A CONTRACTOR AND AND A CONTRACTOR AND A CONTRACTOR AND AND A CONTRACTOR A |                            | 3VA1150-6ED32-0AA0                      |  |
| Manufacturer article number / of the supplied basic   |                            | 3VAT130-0ED32-0AA0                      |  |
| Manufacturer article number / of the supplied basic switch  |                            | 3VA1130-0ED32-0AA0                      |  |
| switch<br>Short circuit   | -                          | 3VAT130-0ED32-0AA0                      |  |
| switch  | -                          | 3VAT130-0ED32-0AA0                      |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity  | kA                         | 100                                     |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)   | kA<br>kA                   |   |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value   |                            | 100                                     |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value   | kA                         | 100<br>70                               |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value   | kA<br>kA                   | 100<br>70<br>36                         |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value<br>• at 500 V / Rated value   | kA<br>kA<br>kA             | 100<br>70<br>36<br>15                   |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value<br>• at 500 V / Rated value<br>• at 690 V / Rated value   | kA<br>kA<br>kA             | 100<br>70<br>36<br>15                   |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value<br>• at 500 V / Rated value<br>• at 690 V / Rated value<br>• at 690 V / Rated value   | kA<br>kA<br>kA<br>kA       | 100<br>70<br>36<br>15<br>5              |  |
| switch<br>Chort circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value<br>• at 500 V / Rated value<br>• at 690 V / Rated value<br>Maximum short-circuit current breaking capacity (Icu)<br>• at 240 V / Rated value  | kA<br>kA<br>kA<br>kA       | 100<br>70<br>36<br>15<br>5              |  |
| switch<br>Short circuit<br>Operational short-circuit current breaking capacity<br>(Ics)<br>• at 240 V / Rated value<br>• at 415 V / Rated value<br>• at 440 V / Rated value<br>• at 500 V / Rated value<br>• at 690 V / Rated value<br>• at 240 V / Rated value<br>• at 240 V / Rated value<br>• at 240 V / Rated value   | kA<br>kA<br>kA<br>kA<br>kA | 100<br>70<br>36<br>15<br>5<br>100<br>70 |  |

| Conternation of the second sec | (  | C F                       | GL                   | other |  |
|--|----|---------------------------|----------------------|-------|--|
| General Product Approval EMC   |    | Declaration of Conformity | Shipping<br>Approval | other |  |
| • acc. to DIN EN 81346-2   |    | Q                         |                      |       |  |
| • acc. to DIN EN 61346-2   |    | Q                         |                      |       |  |
| Reference code   |    |                           |                      |       |  |
| Certificates   |    |                           |                      |       |  |
| <ul> <li>during storage / maximum</li> </ul>   | °C | 80                        |                      |       |  |
| <ul> <li>during storage / minimum</li> </ul>   | °C | -40                       |                      |       |  |
| <ul> <li>during operation / maximum</li> </ul>   | °C | 70                        |                      |       |  |
| <ul> <li>during operation / minimum</li> </ul>   | °C | -25                       |                      |       |  |
| Ambient temperature  |    |                           |                      |       |  |
| nvironmental conditions  |    |                           |                      |       |  |
| Mounting type  |    | fixed mounting            |                      |       |  |
| Depth  | mm | 70                        |                      |       |  |
| Width  | mm | 76.2                      |                      |       |  |
| Height   | mm | 130                       |                      |       |  |
| lechanical Design  |    |                           |                      |       |  |
| <ul> <li>for main current circuit</li> </ul>   |    | Lug terminal              |                      |       |  |
| Design of the electrical connection  |    | 1                         |                      |       |  |
| for flat-bar terminal connection / maximum   |    | 17 x 6.5                  |                      |       |  |
| • for flat-bar terminal connection / minimum   |    | 12 x 0                    |                      |       |  |
| Type of connectable conductor cross-section  |    |                           |                      |       |  |
| • for main current circuit   |    | Front termin              | al                   |       |  |
| Arrangement of electrical connectors   |    |                           |                      |       |  |
| Connections  |    |                           |                      |       |  |
| • at 690 V / Rated value   | kA | 17                        |                      |       |  |
| • at 415 V / Rated value   | kA | 154                       |                      |       |  |
|  |    |                           |                      |       |  |

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/3VA11506ED320AA0

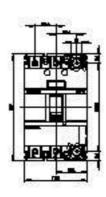
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11506ED320AA0/all

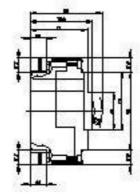
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA11506ED320AA0

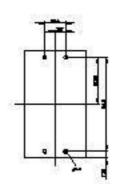
## CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications http://ausschreibungstexte.siemens.com/tiplv







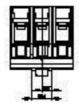


Figure similar

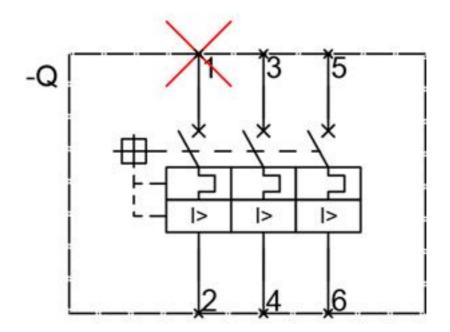


Figure similar

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