SIEMENS

Data sheet

3VA1150-5EF36-0AA0



CIRCUIT BREAKER 3VA1 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, LINE PROTECTION TM240, ATAM, IN=50A OVERLOAD PROTECTION IR=35A ...50A SHORT CIRCUIT PROTECTION II=5...10 X IN CABLE 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 Protective function of the overcurrent release LI Switching capacity Switching capacity class of the circuit breaker M Dissipation Active power loss • maximum W 14.6 Electricity Continuous current / Rated value / maximum Continuous current / Rated value • of the current-dependent overload release / Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value Operating current Operating current Operating current Operating current | |
|---|--|
| Switching capacity Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 14.6 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 50 Adjustable response value current • of the current-dependent overload release / Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value V 500 Operating current | |
| Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 14.6 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 50 Adjustable response value current • of the current-dependent overload release / Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value Operating current | |
| Switching capacity class of the circuit breaker Dissipation Active power loss • maximum W 14.6 Electricity Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 50 Adjustable response value current • of the current-dependent overload release / Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value Operating current | |
| Active power loss • maximum Main circuit | |
| Active power loss • maximum Main circuit | |
| Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 50 Adjustable response value current of the current-dependent overload release / Full-scale value of the instantaneous short-circuit release / initial value Main circuit Operating voltage with AC / at 50/60 Hz / Rated value V 690 for DC / Rated value V 500 Operating current | |
| Continuous current / Rated value / maximum A 160 Continuous current / Rated value A 50 Adjustable response value current • of the current-dependent overload release / Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value V 690 • for DC / Rated value V 500 Operating current | |
| Continuous current / Rated value Adjustable response value current of the current-dependent overload release / Full-scale value of the instantaneous short-circuit release / initial value Main circuit Operating voltage with AC / at 50/60 Hz / Rated value of the instantaneous short-circuit release / initial value V 690 of or DC / Rated value V 500 Operating current | |
| Adjustable response value current of the current-dependent overload release / A 1 Full-scale value of the instantaneous short-circuit release / initial A 5 value Main circuit Operating voltage with AC / at 50/60 Hz / Rated value V 690 of the instantaneous short-circuit release / initial A 5 Value | |
| of the current-dependent overload release / Full-scale value of the instantaneous short-circuit release / initial value Main circuit Operating voltage with AC / at 50/60 Hz / Rated value for DC / Rated value Operating current Operating current | |
| Full-scale value • of the instantaneous short-circuit release / initial value Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value Operating current | |
| Main circuit Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value Operating current | |
| Operating voltage • with AC / at 50/60 Hz / Rated value • for DC / Rated value Operating current V 690 V 500 | |
| with AC / at 50/60 Hz / Rated value for DC / Rated value Operating current V 690 V 500 | |
| • for DC / Rated value V 500 Operating current | |
| Operating current | |
| | |
| | |
| • at 40 °C / Rated value A 50 | |
| at 50 °C / Rated value A 50 | |
| • at 55 °C / Rated value A 49 | |
| • at 60 °C / Rated value A 48 | |
| • at 65 °C / Rated value A 46 | |
| • at 70 °C / Rated value A 45 | |
| 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 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- A 0.7 dependent overload release / initial value | |
| Product details | |
| Product component | |

| | | NI- |
|---|----|--------------------|
| 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 | | 3VA1150-5EF36-0AA0 |
| switch | | |
| Short circuit | | |
| Operational short-circuit current breaking capacity | | |
| (lcs) | | |
| • at 240 V / Rated value | kA | 85 |
| ● at 415 V / Rated value | kA | 55 |
| ● at 440 V / Rated value | kA | 30 |
| • 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 | 85 |
| • at 415 V / Rated value | kA | 55 |
| • at 440 V / Rated value | kA | 30 |
| ● at 500 V / Rated value | kA | 20 |
| • at 690 V / Rated value | kA | 10 |
| Short-circuit current making capacity (lcm) | | |
| • at 240 V / Rated value | kA | 187 |
| • at 415 V / Rated value | kA | 121 |
| • at 690 V / Rated value | kA | 17 |
| Connections | | |
| Arrangement of electrical connectors / for main | | Front terminal |
| current circuit | | |
| Type of connectable conductor cross-section | | |

| • of the round co | onductor terminal / str | anded | | | 1 x (1.5 - 70 mm²) | |
|--------------------------------------|-------------------------|----------------|------|-----|--------------------|-------|
| Type of electrical co | nnection / for main cu | ırrent circuit | | | Box terminal | |
| Mechanical Design | | | | | | |
| Height | | | mm | | 130 | |
| Width | | | mm | | 76.2 | |
| Depth | | | mm | | 70 | |
| Mounting type | | | | | fixed mounting | |
| Environmental cond | ditions | | | | | |
| Ambient temperature | е | | | | | |
| during operation | on / minimum | | °C | | -25 | |
| during operation | on / maximum | | °C | | 70 | |
| during storage | / minimum | | °C | | -40 | |
| during storage | e / maximum | | °C | | 80 | |
| Certificates | | | | | | |
| Equipment marking | | | | | | |
| acc. to DIN EN | N 61346-2 | | | | Q | |
| ● acc. to DIN EN | N 81346-2 | | | | Q | |
| General | EMC | Declaration | n of | Shi | pping Approval | other |
| Product | | Conformity | 1 | | | |
| Approval | | | | | | |
| | other | | | 2 | 8 | other |

Further information

EAC

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/3VA11505EF360AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3VA11505EF360AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11505EF360AA0

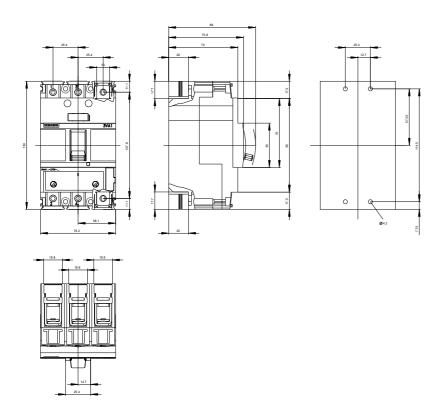
CAx-Online-Generator

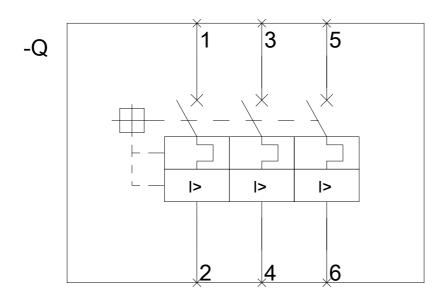
http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

GL





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