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## Data sheet 3VA2340-5HN32-0KL0

CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A ...400A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, II=10 X IN BUSBAR CONNECTION SHUNT TRIP (STL) 220-250 V DC, 208-277 V AC 2 AUXILIARY SWITCH HQ 1 TRIP ALARM SWITCH HQ 1 ELECTRICAL ALARM SWITCH HQ

| Model | |
|---|---|
| product brandname | SENTRON |
| Product designation | Molded case circuit breaker |
| Design of the product | Line protection |
| Design of the overcurrent release | ETU350 |
| Protective function of the overcurrent release | LSI |
| Number of poles | 3 |
| Design of the auxiliary release | Shunt trip (STL) |
| Design of the auxiliary switch | 2 auxiliary switches + 1 trip alarm switch + 1 electrical alarm switch HQ |

| General technical data | |
|---|---|
| Tension assignée d'isolement Ui | 800 V |
| Max. rated operational voltage Ue with AC 50/60Hz | 690 V |
| Active power loss / for rated value of the current / at AC / in hot operating state / per device | 96 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 32 W |
| Mechanical service life (switching cycles) / typical | 15 000 |


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| | |
|---|---|
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz | 6 000 |
| Neutral conductors / upgradeable/retrofittable | No |
| Ground fault monitoring version | Without |
| Product function | |
| • communication function | No |
| • Phase failure detection | No |
| • other measurement function | No |
| Net weight | 4.4 kg |

| Electricity | |
|---|---|
| Max. rated operational voltage of the size of the circuit-breaker | 400 A |
| Courant permanent assigné Iu | 400 A |
| Operating current | |
| • at 40 °C | 400 A |
| • at 45 °C | 400 A |
| • at 50 °C | 400 A |
| • at 55 °C | 385 A |
| • at 60 °C | 370 A |
| • at 65 °C | 355 A |
| • at 70 °C | 340 A |

| Switching capacity according to IEC 60947 | |
|---|---|
| Switching capacity class of the circuit breaker | M |
| Maximum short-circuit current breaking capacity (Icu) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 440 V | 55 kA |
| • at 500 V | 36 kA |
| • at 690 V | 10 kA |
| Operational short-circuit current breaking capacity (Ics) | |
| • at 240 V | 85 kA |
| • at 415 V | 55 kA |
| • at 440 V | 55 kA |
| • at 500 V | 36 kA |
| • at 690 V | 10 kA |
| Short-circuit current making capacity (Icm) | |
| • at 240 V | 187 kA |
| • at 415 V | 121 kA |
| • at 440 V | 121 kA |
| • at 500 V | 75.6 kA |
| • at 690 V | 17 kA |


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| Adjustable parameters | |
|---|---|
| Adjustable response value current / Ig min. | 160 A |
| Adjustable response value current / Ig min. | 400 A |
| Adjustable response value current / Ig min. | 0.5 |
| Adjustable response value current / Ig min. | 17 |
| Adjustable response value current / Ig min. | 0 A |
| Adjustable response value current / Ig min. | 0 A |
| Short-term delayed / tripping switchable / I2t=ON/OFF | No |
| Adjustable response value current / Ii min. | 4 000 A |
| Adjustable response value current / Ii max. | 4 000 A |

| Mechanical Design | |
|---|---|
| Height | 248 mm |
| Width | 138 mm |
| Depth | 110 mm |

| Connections | |
|---|---|
| Arrangement of electrical connectors / for main current circuit | Front terminal |
| Type of electrical connection / for main current circuit | Lug terminal |
| Type of connectable conductor cross-section, connection screw, width x thickness , min. | 20 x 1 |
| Type of connectable conductor cross-section, connection screw, width x thickness , max. | 35 x 10 |

| Auxiliary circuit | |
|---|---|
| Product component | |
| • undervoltage release | No |
| • Voltage trigger | Yes |
| • undervoltage release with leading contact | No |
| • Trip indicator | Yes |
| Number of CO contacts / for auxiliary contacts | 4 |

| Accessories | |
|---|---|
| Product extension / optional / motor drive | Yes |
| Manufacturer's article number | |
| • of the supplied basic switch | 3VA2340-5HN32-0AA0 |
| • of the integrated auxiliary switch/alarm switch | 3VA9988-0AA12 |
| • of the integrated auxiliary switch/alarm switch | 3VA9988-0AB12 |
| • of the integrated auxiliary switch/alarm switch | 3VA9988-0AB22 |
| • of the integrated auxiliary trip | 3VA9688-0BL33 |

| Environmental conditions | |
|---|---|
| Protection class IP / on the front | IP40 |
| Ambient temperature | |


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| | |
|---|---|
| • during operation / minimum | -25 °C |
| • during operation / maximum | 70 °C |
| • during storage / minimum | -40 °C |
| • during storage / maximum | 80 °C |

## Certificates

Equipment marking / acc. to DIN EN 81346-2: Q

| General Product Approval | | | EMC | Declaration of Conformity | Test Certificates |
|---|---|---|---|---|---|
| CCC | VDE | | RCM | EG-Konf. | Typprüfbescheinigung/Werkszeugnis |

| Test Certificates | Shipping Approval | | | | |
|---|---|---|---|---|---|
| sonstig | ABS | BUREAU VERITAS | GL | LRS | RMRS |

| other |
|---|
| sonstig |

## 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/3VA2340-5HN32-0KL0

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3VA2340-5HN32-0KL0/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-5HN32-0KL0

**CAx-Online-Generator**
http://www.siemens.com/cax

**Tender specifications**
http://www.siemens.com/specifications


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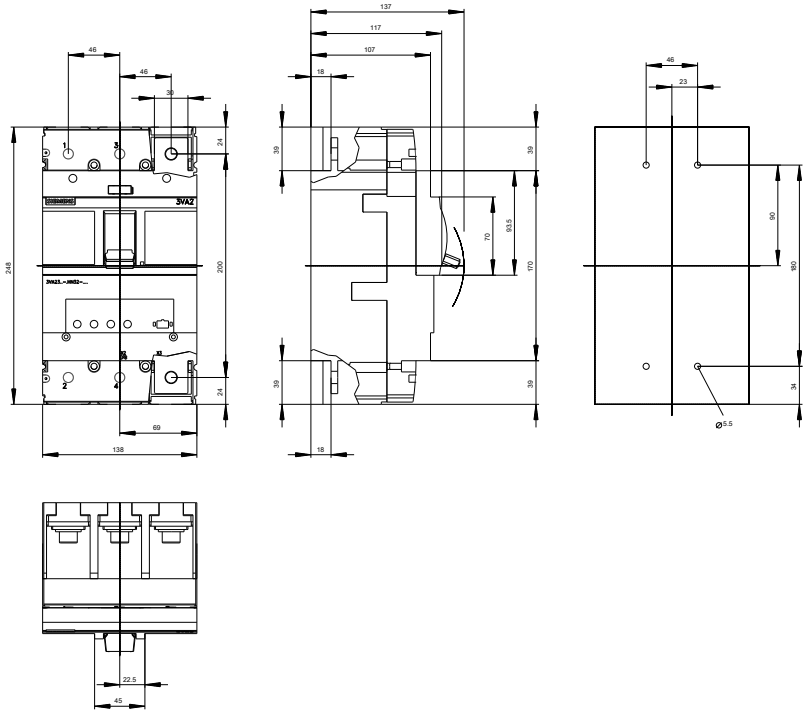


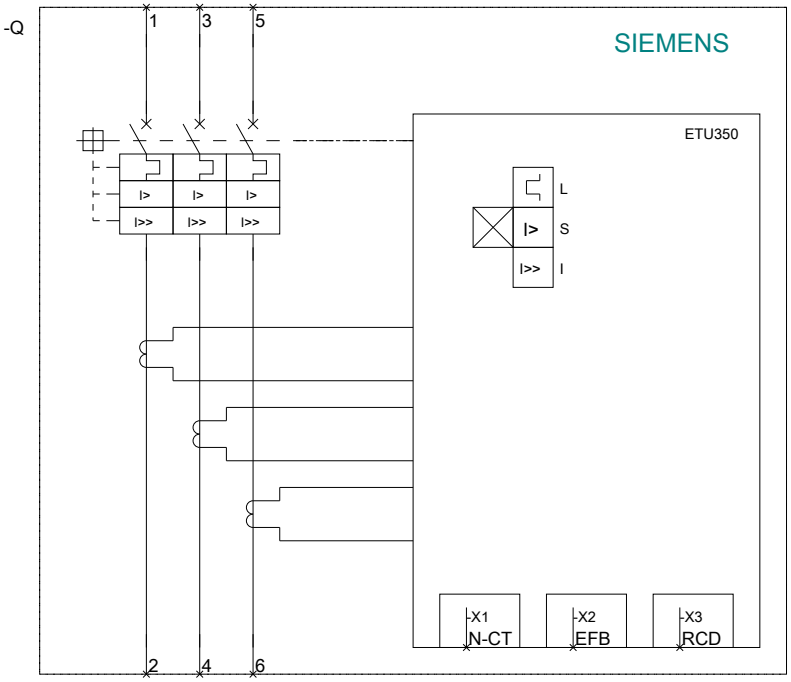



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