



CIRCUIT BREAKER 3VA2 IEC FRAME 400 BREAKING CAPACITY CLASS C ICU=110KA @ 415 V 3-POLE, MOTOR PROTECTION ETU350M, LSI, IN=250A OVERLOAD PROTECTION IR=100A ...250A SHORT CIRCUIT PROTECTION ISD=3... 15 X IR, II=15 X IN BUSBAR CONNECTION SHUNT TRIP (STL) 110-127 V DC, AC 50/60 HZ 2 AUXILIARY SWITCH HQ 1 TRIP ALARM SWITCH HQ

| Model                                          |                                             |
|------------------------------------------------|---------------------------------------------|
| product brandname                              | SENTRON                                     |
| Product designation                            | Molded case circuit breaker                 |
| Design of the product                          | Motor protection                            |
| Design of the overcurrent release              | ETU350M                                     |
| Protective function of the overcurrent release | LSI                                         |
| Number of poles                                | 3                                           |
| Design of the auxiliary release                | Without auxiliary release                   |
| Design of the auxiliary switch                 | 1 auxiliary switch + 1 trip alarm switch HQ |

| General technical data                                                                           |        |
|--------------------------------------------------------------------------------------------------|--------|
| Tension assignée d'isolement Ui                                                                  | 800 V  |
| Max. rated operational voltage Ue with AC 50/60Hz                                                | 690 V  |
| Operating power / at AC-3 / at 400 V                                                             | 110 W  |
| Active power loss / for rated value of the current / at AC / in hot operating state / per device | 37.5 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole   | 12.5 W |
| Mechanical service life (switching cycles) / typical                                             | 15 000 |

|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz | 6 000   |
| Neutral conductors / upgradeable/retrofitable                             | No      |
| Ground fault monitoring version                                           | Without |
| Product function                                                          |         |
| • communication function                                                  | No      |
| • Phase failure detection                                                 | Yes     |
| • other measurement function                                              | No      |
| Net weight                                                                | 4.3 kg  |

## Electricity

|                                                                   |       |
|-------------------------------------------------------------------|-------|
| Max. rated operational voltage of the size of the circuit-breaker | 400 A |
| Courant permanent assigné Iu                                      | 250 A |
| Operating current                                                 |       |
| • at 40 °C                                                        | 250 A |
| • at 45 °C                                                        | 250 A |
| • at 50 °C                                                        | 250 A |
| • at 55 °C                                                        | 240 A |
| • at 60 °C                                                        | 235 A |
| • at 65 °C                                                        | 230 A |
| • at 70 °C                                                        | 225 A |

## Switching capacity according to IEC 60947

|                                                           |         |
|-----------------------------------------------------------|---------|
| Switching capacity class of the circuit breaker           | C       |
| Maximum short-circuit current breaking capacity (Icu)     |         |
| • at 240 V                                                | 150 kA  |
| • at 415 V                                                | 110 kA  |
| • at 440 V                                                | 110 kA  |
| • at 500 V                                                | 85 kA   |
| • at 690 V                                                | 25 kA   |
| Operational short-circuit current breaking capacity (Ics) |         |
| • at 240 V                                                | 150 kA  |
| • at 415 V                                                | 110 kA  |
| • at 440 V                                                | 110 kA  |
| • at 500 V                                                | 85 kA   |
| • at 690 V                                                | 25 kA   |
| Short-circuit current making capacity (Icm)               |         |
| • at 240 V                                                | 330 kA  |
| • at 415 V                                                | 242 kA  |
| • at 440 V                                                | 242 kA  |
| • at 500 V                                                | 187 kA  |
| • at 690 V                                                | 52.5 kA |

| Adjustable parameters                                              |                                    |
|--------------------------------------------------------------------|------------------------------------|
| Adjustable response value current / I <sub>g</sub> min.            | 100 A                              |
| Adjustable response value current / I <sub>g</sub> min.            | 250 A                              |
| Adjustable response value current / I <sub>g</sub> min.            | 4                                  |
| Adjustable response value current / I <sub>g</sub> min.            | 17                                 |
| Adjustable response value current / I <sub>g</sub> min.            | 750 A                              |
| Adjustable response value current / I <sub>g</sub> min.            | 3 750 A                            |
| Short-term delayed / tripping switchable / I <sub>2t</sub> =ON/OFF | No                                 |
| Adjustable response value current / I <sub>g</sub> min.            | 0.03 s                             |
| Adjustable response value current / I <sub>g</sub> min.            | 0.03 s                             |
| Adjustable response value current / I <sub>i</sub> min.            | 3 750 A                            |
| Adjustable response value current / I <sub>i</sub> max.            | 3 750 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                       |
| Auxiliary circuit                                                  |                                    |
| Product component                                                  |                                    |
| • undervoltage release                                             | No                                 |
| • Voltage trigger                                                  | No                                 |
| • undervoltage release with leading contact                        | No                                 |
| • Trip indicator                                                   | Yes                                |
| Number of CO contacts / for auxiliary contacts                     | 2                                  |
| Accessories                                                        |                                    |
| Product extension / optional / motor drive                         | Yes                                |
| Manufacturer's article number                                      |                                    |
| • of the supplied basic switch                                     | <a href="#">3VA2325-7MN32-0AA0</a> |
| • of the integrated auxiliary switch/alarm switch                  | <a href="#">3VA9988-0AA12</a>      |
| • of the integrated auxiliary switch/alarm switch                  | <a href="#">3VA9988-0AB12</a>      |
| • of the integrated auxiliary trip                                 | <a href="#">3VA9608-0BB24</a>      |
| Environmental conditions                                           |                                    |
| Protection class IP / on the front                                 | IP40                               |
| Ambient temperature                                                |                                    |
| • during operation / minimum                                       | -25 °C                             |
| • during operation / maximum                                       | 70 °C                              |

- during storage / minimum
- during storage / maximum

-40 °C

80 °C

## Certificates

Equipment marking / acc. to DIN EN 81346-2

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**General Product Approval**

**EMC**

**Declaration of  
Conformity**

**Test  
Certificates**



CCC



VDE



RCM



EG-Konf.

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## other

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## 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/3VA2325-7MN32-0AF0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3VA2325-7MN32-0AF0/all>

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

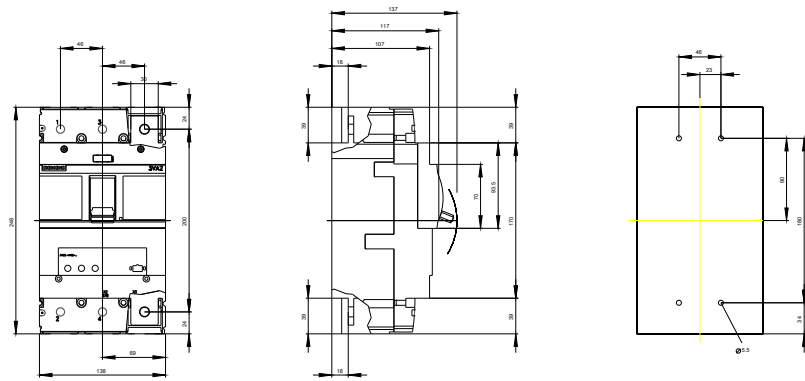
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2325-7MN32-0AF0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2325-7MN32-0AF0)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://www.siemens.com/specifications>



**last modified:**

10/29/2016