



circuit breaker 3VA2 IEC frame 400 breaking capacity class C  $I_{cu}=110\text{kA}$  @ 415V 3-pole, line protection ETU350, LSI,  $I_n=400\text{A}$  overload protection  $I_r=160\text{A}\dots400\text{A}$  short-circuit protection  $I_{sd}=1.5\dots10 \times I_r$ ,  $I_i=10 \times I_n$  nut keeper kit 2 auxiliary switches HQ 1 trip alarm switch HQ

| Model                                                                                          |                                               |
|------------------------------------------------------------------------------------------------|-----------------------------------------------|
| product brand name                                                                             | SETRON                                        |
| product designation                                                                            | Molded case circuit breaker                   |
| Product version                                                                                | Line protection                               |
| design of the overcurrent release                                                              | ETU350                                        |
| protection function of the overcurrent release                                                 | LSI                                           |
| number of poles                                                                                | 3                                             |
| design of the auxiliary release                                                                | Without auxiliary release                     |
| Auxiliary contact version                                                                      | 2 auxiliary switches + 1 trip alarm switch HQ |
| General technical data                                                                         |                                               |
| rated insulation voltage $U_i$                                                                 | 800 V                                         |
| power loss [W] / maximum                                                                       | 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                                           | 20 000                                        |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz                      | 6 000                                         |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz                          | 4 200                                         |
| Neutral conductors / upgradeable/retrofitable                                                  | No                                            |
| ground-fault monitoring version                                                                | Without                                       |
| product function                                                                               |                                               |
| • communication function                                                                       | No                                            |
| • other measurement function                                                                   | No                                            |
| Net Weight                                                                                     | 4,4 kg                                        |
| Current                                                                                        |                                               |
| Max. rated operational current of the frame size                                               | 400 A                                         |
| Courant permanent assigné $I_u$                                                                | 400 A                                         |
| operational 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                                                | C                                             |
| breaking capacity maximum short-circuit current ( $I_{cu}$ )                                   |                                               |
| • at 240 V                                                                                     | 150 kA                                        |

|                                                                                                                                                                                                                                  |                                                                                                      |     |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----|---------------------------|
| <ul style="list-style-type: none"><li>• at 415 V</li><li>• at 440 V</li><li>• at 500 V</li><li>• at 690 V</li></ul>                                                                                                              | 110 kA<br>110 kA<br>85 kA<br>5 kA                                                                    |     |                           |
| breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"><li>• at 240 V</li><li>• at 415 V</li><li>• at 440 V</li><li>• at 500 V</li><li>• at 690 V</li></ul>                                   | 150 kA<br>110 kA<br>110 kA<br>65 kA<br>5 kA                                                          |     |                           |
| short-circuit current making capacity (Icm) <ul style="list-style-type: none"><li>• at 240 V</li><li>• at 415 V</li><li>• at 440 V</li><li>• at 500 V</li><li>• at 690 V</li></ul>                                               | 330 kA<br>242 kA<br>242 kA<br>187 kA<br>7.5 kA                                                       |     |                           |
| Adjustable parameters                                                                                                                                                                                                            |                                                                                                      |     |                           |
| Adjustable response value current / li min.                                                                                                                                                                                      | 4 000 A                                                                                              |     |                           |
| Adjustable response value current / li max.                                                                                                                                                                                      | 4 000 A                                                                                              |     |                           |
| Ground fault protection / tripping switchable / I2t=ON/OFF                                                                                                                                                                       | No                                                                                                   |     |                           |
| Mechanical Design                                                                                                                                                                                                                |                                                                                                      |     |                           |
| height [in]                                                                                                                                                                                                                      | 9.76 in                                                                                              |     |                           |
| Height                                                                                                                                                                                                                           | 248 mm                                                                                               |     |                           |
| width [in]                                                                                                                                                                                                                       | 5.43 in                                                                                              |     |                           |
| Width                                                                                                                                                                                                                            | 138 mm                                                                                               |     |                           |
| depth [in]                                                                                                                                                                                                                       | 4.33 in                                                                                              |     |                           |
| depth                                                                                                                                                                                                                            | 110 mm                                                                                               |     |                           |
| Connections                                                                                                                                                                                                                      |                                                                                                      |     |                           |
| arrangement of electrical connectors / for main current circuit                                                                                                                                                                  | Front terminal                                                                                       |     |                           |
| type of electrical connection / for main current circuit                                                                                                                                                                         | on both sides nut keeper kit                                                                         |     |                           |
| Type of connectable conductor cross-section, connection screw, width x thickness , min.                                                                                                                                          | 20 x 1 mm                                                                                            |     |                           |
| Type of connectable conductor cross-section, connection screw, width x thickness , max.                                                                                                                                          | 35 x 10 mm                                                                                           |     |                           |
| Auxiliary circuit                                                                                                                                                                                                                |                                                                                                      |     |                           |
| product component <ul style="list-style-type: none"><li>• undervoltage release</li><li>• voltage trigger</li><li>• undervoltage release with leading contact</li><li>• trip indicator</li></ul>                                  | No<br>No<br>No<br>Yes                                                                                |     |                           |
| number of CO contacts / for auxiliary contacts                                                                                                                                                                                   | 3                                                                                                    |     |                           |
| Accessories                                                                                                                                                                                                                      |                                                                                                      |     |                           |
| product extension / optional / motor drive                                                                                                                                                                                       | Yes                                                                                                  |     |                           |
| manufacturer's article number <ul style="list-style-type: none"><li>• of the supplied basic switch</li><li>• of the integrated auxiliary switch/alarm switch</li><li>• of the integrated auxiliary switch/alarm switch</li></ul> | <a href="#">3VA2340-7HN32-0AA0</a><br><a href="#">3VA9988-0AA12</a><br><a href="#">3VA9988-0AB12</a> |     |                           |
| Environmental conditions                                                                                                                                                                                                         |                                                                                                      |     |                           |
| protection class IP / on the front                                                                                                                                                                                               | IP40                                                                                                 |     |                           |
| ambient temperature <ul style="list-style-type: none"><li>• during operation / minimum</li><li>• during operation / maximum</li><li>• during storage / minimum</li><li>• during storage / maximum</li></ul>                      | -25 °C<br>70 °C<br>-40 °C<br>80 °C                                                                   |     |                           |
| Certificates                                                                                                                                                                                                                     |                                                                                                      |     |                           |
| reference code / acc. to IEC 81346-2                                                                                                                                                                                             | Q                                                                                                    |     |                           |
| General Product Approval                                                                                                                                                                                                         |                                                                                                      | EMC | Declaration of Conformity |



[Miscellaneous](#)



EG-Konf.

| Declaration of Conformity | Test Certificates | Marine / Shipping |  |  |  |
|---------------------------|-------------------|-------------------|--|--|--|
|---------------------------|-------------------|-------------------|--|--|--|

[UK Declaration of Conformity](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Miscellaneous](#)



ABS



BUREAU  
VERITAS

| Marine / Shipping | other |  |  |  |  |
|-------------------|-------|--|--|--|--|
|-------------------|-------|--|--|--|--|



DNV



LRS



RMRS

[CCS / China Classification Society](#)

[Miscellaneous](#)

[Miscellaneous](#)

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2340-7HN32-0AH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-7HN32-0AH0>

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

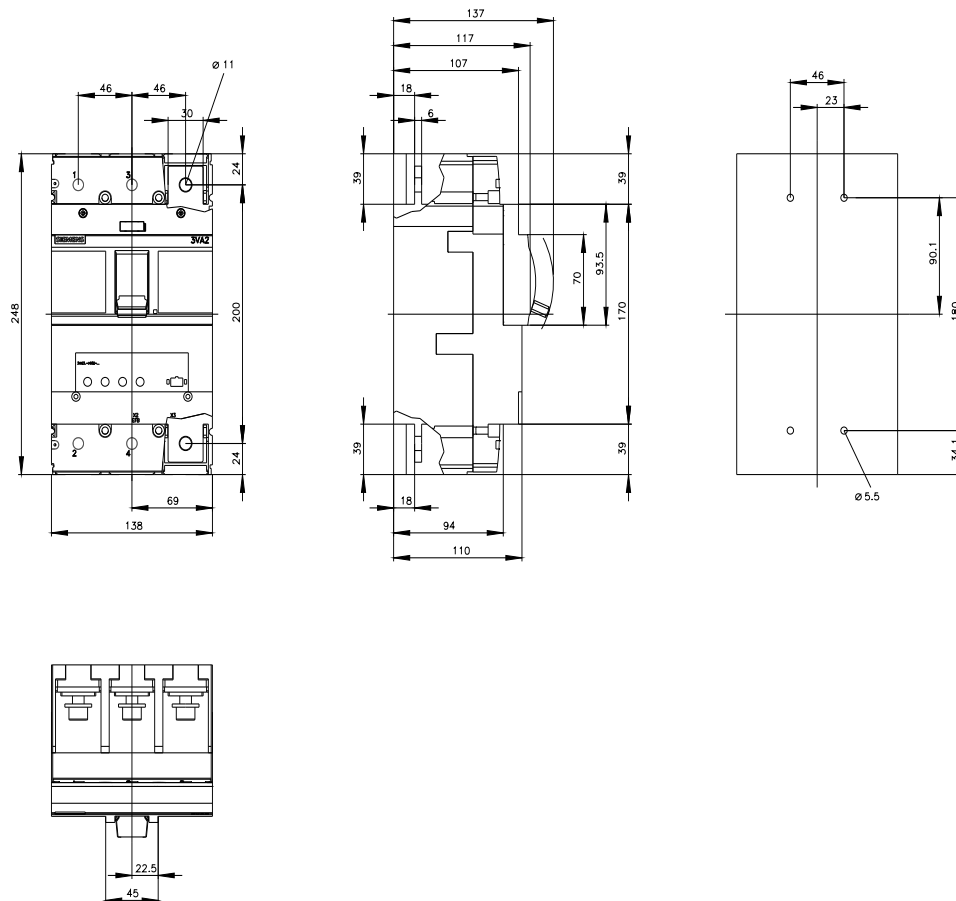
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2340-7HN32-0AH0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-7HN32-0AH0)

CAX-Online-Generator

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

Tender specifications

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



L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);  
I (Instantaneous / Kurzschlusschutz, unverzögert);



