

Siemens  
EcoTech



circuit breaker 3VA2 IEC frame 630 breaking capacity class C Icu=110kA @ 415V  
3-pole, line protection ETU340, ELISA LI, In=630A overload protection  
Ir=250A...630A short-circuit protection li=9 x In nut keeper kit



| Model                                                                                                 |                             |
|-------------------------------------------------------------------------------------------------------|-----------------------------|
| product brand name                                                                                    | SENTRON                     |
| product designation                                                                                   | Molded case circuit breaker |
| design of the product                                                                                 | Line protection             |
| design of the overcurrent release                                                                     | ETU340                      |
| protection function of the overcurrent release                                                        | ELISA LI                    |
| number of poles                                                                                       | 3                           |
| General technical data                                                                                |                             |
| insulation voltage / rated value                                                                      | 800 V                       |
| operating voltage / at AC / rated value                                                               | 690 V                       |
| power loss [W] / maximum                                                                              | 162 W                       |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole           | 54 W                        |
| mechanical service life (operating cycles) / typical                                                  | 20 000                      |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                                      | 5 000                       |
| electrical endurance (operating cycles) / at AC-1 / at 690 V                                          | 3 500                       |
| product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof | No                          |
| ground-fault monitoring version                                                                       | Without                     |
| product function                                                                                      |                             |
| • communication function                                                                              | No                          |
| • other measurement function                                                                          | No                          |
| Net Weight                                                                                            | 5.186 kg                    |
| Current                                                                                               |                             |
| operational current                                                                                   |                             |
| • at 40 °C                                                                                            | 630 A                       |
| • at 45 °C                                                                                            | 612 A                       |
| • at 50 °C                                                                                            | 593 A                       |
| • at 55 °C                                                                                            | 575 A                       |
| • at 60 °C                                                                                            | 557 A                       |
| • at 65 °C                                                                                            | 538 A                       |
| • at 70 °C                                                                                            | 520 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                      |

|                                                                                                                                                                                                                  |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 500 V</li> <li>• at 690 V</li> </ul>                                                                                                                                 | 85 kA<br>6 kA                                |
| operating short-circuit current breaking capacity (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>6 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>9 kA |
| <b>Adjustable parameters</b>                                                                                                                                                                                     |                                              |
| product feature / for L-tripping / can be switched on/off                                                                                                                                                        | No                                           |
| adjustable current response value current / of the L-trip / with I4t characteristic                                                                                                                              | 250 ... 630 A                                |
| adjustable response value delay time (tr) / for L-tripping / with I4t characteristic <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                              | 1 000 s<br>1 000 s                           |
| adjustable response value setting current (Ii) / for I-tripping <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                   | 5 670 A<br>5 670 A                           |
| adjustable setting current (InN) / for N-tripping <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                 | 0 A<br>0 A                                   |
| product function / grounding protection                                                                                                                                                                          | No                                           |
| <b>Mechanical Design</b>                                                                                                                                                                                         |                                              |
| product component <ul style="list-style-type: none"> <li>• undervoltage release</li> <li>• voltage trigger</li> <li>• trip indicator</li> </ul>                                                                  | No<br>No<br>No                               |
| height [in]                                                                                                                                                                                                      | 9.76 in                                      |
| height                                                                                                                                                                                                           | 248 mm                                       |
| width [in]                                                                                                                                                                                                       | 5.43 in                                      |
| width                                                                                                                                                                                                            | 138 mm                                       |
| depth [in]                                                                                                                                                                                                       | 4.33 in                                      |
| depth                                                                                                                                                                                                            | 110 mm                                       |
| <b>Connections</b>                                                                                                                                                                                               |                                              |
| 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-sections / for flat-bar terminal connection / minimum                                                                                                                        | 20 x 1 mm                                    |
| type of connectable conductor cross-sections / for flat-bar terminal connection / maximum                                                                                                                        | 35 x 10 mm                                   |
| design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)                                                                                                                               | silver                                       |
| design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)                                                                                                                            | silver                                       |
| <b>Auxiliary circuit</b>                                                                                                                                                                                         |                                              |
| number of CO contacts / for auxiliary contacts                                                                                                                                                                   | 0                                            |
| <b>Accessories</b>                                                                                                                                                                                               |                                              |
| product extension / optional / motor drive                                                                                                                                                                       | Yes                                          |
| <b>Environmental conditions</b>                                                                                                                                                                                  |                                              |
| 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           |

| Environmental footprint                   |                 |
|-------------------------------------------|-----------------|
| Siemens Eco Profile (SEP)                 | Siemens EcoTech |
| reference code / according to IEC 81346-2 | Q               |
| Approvals / Certificates                  |                 |
| General Product Approval                  |                 |



[Confirmation](#)



[Miscellaneous](#)

| General Product Approval | EMV | Test Certificates | Marine / Shipping |
|--------------------------|-----|-------------------|-------------------|
|--------------------------|-----|-------------------|-------------------|



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



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



[CCS \(China Classification Society\)](#)

[Confirmation](#)

[Miscellaneous](#)

| other | Dangerous Good | Environment |
|-------|----------------|-------------|
|-------|----------------|-------------|

[Miscellaneous](#)

[Transport Information](#)



Siemens EcoTech



[Environmental Confirmations](#)

[Environmental Confirmations](#)

## Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3VA2463-7HK32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2463-7HK32-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2463-7HK32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2463-7HK32-0AA0)

CAX-Online-Generator

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

Tender specifications

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





