



circuit breaker 3VA2 IEC Frame 1000 breaking capacity class C Icu=110 kA @ 415 V 3-pole, line protection ETU340, ELISA LI, In=630 A overload protection Ir=250 A...630 A short-circuit protection Ii=12 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                                                                              | 144 W                       |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole           | 48 W                        |
| mechanical service life (operating cycles) / typical                                                  | 10 000                      |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                                      | 4 600                       |
| electrical endurance (operating cycles) / at AC-1 / at 690 V                                          | 3 200                       |
| 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                                                                                            | 11.34 kg                    |
| Current                                                                                               |                             |
| operational current                                                                                   |                             |
| • at 40 °C                                                                                            | 630 A                       |
| • at 45 °C                                                                                            | 630 A                       |
| • at 50 °C                                                                                            | 630 A                       |
| • at 55 °C                                                                                            | 630 A                       |
| • at 60 °C                                                                                            | 630 A                       |
| • at 65 °C                                                                                            | 630 A                       |
| • at 70 °C                                                                                            | 630 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                                                                                            | 200 kA                      |
| • at 415 V                                                                                            | 110 kA                      |
| • at 440 V                                                                                            | 110 kA                      |
| • at 500 V                                                                                            | 85 kA                       |

|                                                                                                                                                                                              |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 690 V</li> </ul>                                                                                                                                 | 35 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>85 kA<br>70 kA<br>65 kA<br>19 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>                                                 | 440 kA<br>242 kA<br>242 kA<br>187 kA<br>73.5 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                                                                                                          | 42 ... 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>                                                                                                               | 1 200 s<br>1 200 s                              |
| adjustable response value setting current (Ii) / for I-tripping                                                                                                                              |                                                 |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                               | 7 560 A<br>7 560 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]                                                                                                                                                                                  | 12.6 in                                         |
| height                                                                                                                                                                                       | 320 mm                                          |
| width [in]                                                                                                                                                                                   | 8.27 in                                         |
| width                                                                                                                                                                                        | 210 mm                                          |
| depth [in]                                                                                                                                                                                   | 4.72 in                                         |
| depth                                                                                                                                                                                        | 120 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 4 mm                                       |
| type of connectable conductor cross-sections / for flat-bar terminal connection / maximum                                                                                                    | 50 x 28 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                                                                                                                                                   | No                                              |
| <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              |
| reference code / according to IEC 81346-2                                                                                                                                                    | Q                                               |
| <b>Approvals / Certificates</b>                                                                                                                                                              |                                                 |


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## Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2563-7HK32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2563-7HK32-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2563-7HK32-0AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2563-7HK32-0AA0)

CAX-Online-Generator

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

Tender specifications

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





