

Siemens  
EcoTech



circuit breaker 3VA2 IEC Frame 400 breaking capacity class H Icu=85 kA @ 415 V  
3-pole, line protection ETU330, LIG, In=400 A overload protection Ir=160 A...400 A  
short-circuit protection Ii=1.5...10 x In ground-fault protection Ig=0.2...1 x In,  
tg=0.1/0.3s 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                                                                     | ETU330                                  |
| protection function of the overcurrent release                                                        | LIG                                     |
| 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                                                                              | 96 W                                    |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole           | 32 W                                    |
| mechanical service life (operating cycles) / typical                                                  | 20 000                                  |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                                      | 6 000                                   |
| electrical endurance (operating cycles) / at AC-1 / at 690 V                                          | 4 200                                   |
| product feature / for neutral conductors / upgradable/retrofitable / short-circuit and overload proof | No                                      |
| ground-fault monitoring version                                                                       | Summation current formation L-conductor |
| product function                                                                                      |                                         |
| • communication function                                                                              | No                                      |
| • other measurement function                                                                          | No                                      |
| Net Weight                                                                                            | 4.672 kg                                |
| Current                                                                                               |                                         |
| 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                                                       | H                                       |
| maximum short-circuit current breaking capacity (Icu)                                                 |                                         |
| • at 240 V                                                                                            | 110 kA                                  |
| • at 415 V                                                                                            | 85 kA                                   |
| • at 440 V                                                                                            | 85 kA                                   |

|                                                                                                                                              |        |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <ul style="list-style-type: none"> <li>• at 500 V</li> <li>• at 690 V</li> </ul>                                                             | 55 kA  |
| operating short-circuit current breaking capacity (Ics)                                                                                      | 5 kA   |
| <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> | 110 kA |
|                                                                                                                                              | 85 kA  |
|                                                                                                                                              | 85 kA  |
|                                                                                                                                              | 55 kA  |
|                                                                                                                                              | 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> | 242 kA |
|                                                                                                                                              | 187 kA |
|                                                                                                                                              | 187 kA |
|                                                                                                                                              | 121 kA |
|                                                                                                                                              | 7.5 kA |

#### Adjustable parameters

|                                                                                               |         |
|-----------------------------------------------------------------------------------------------|---------|
| product feature / for L-tripping / can be switched on/off                                     | No      |
| adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic      |         |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                | 160 A   |
|                                                                                               | 400 A   |
| adjustable response value delay time (tr) / for L-tripping / with I2t characteristic          |         |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                | 0.5 s   |
|                                                                                               | 17 s    |
| adjustable response value setting current (Ii) / for I-tripping                               |         |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                | 600 A   |
|                                                                                               | 4 000 A |
| adjustable current response value current / for G-tripping / with standard characteristic     |         |
| <ul style="list-style-type: none"> <li>• initial value</li> <li>• full-scale value</li> </ul> | 80 A    |
|                                                                                               | 400 A   |
| adjustable response value delay time (tg) / for G-tripping / with I0t characteristic          |         |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                                   | 0.3 s   |
| adjustable setting current (InN) / for N-tripping                                             |         |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                | 0 A     |
|                                                                                               | 0 A     |
| product function / grounding protection                                                       | Yes     |

#### Mechanical Design

|                                                                                                                               |         |
|-------------------------------------------------------------------------------------------------------------------------------|---------|
| product component                                                                                                             |         |
| <ul style="list-style-type: none"> <li>• undervoltage release</li> <li>• voltage trigger</li> <li>• trip indicator</li> </ul> | No      |
|                                                                                                                               | No      |
|                                                                                                                               | 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  |

#### 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-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                       |

#### Auxiliary circuit

|                                                |   |
|------------------------------------------------|---|
| number of CO contacts / for auxiliary contacts | 0 |
|------------------------------------------------|---|

#### Accessories

|                                            |                 |
|--------------------------------------------|-----------------|
| product extension / optional / motor drive | Yes             |
| <b>Environmental conditions</b>            |                 |
| protection class IP / on the front         | IP40            |
| ambient temperature                        |                 |
| • during operation / minimum               | -25 °C          |
| • during operation / maximum               | 70 °C           |
| • during storage / minimum                 | -40 °C          |
| • during storage / maximum                 | 80 °C           |
| <b>Environmental footprint</b>             |                 |
| Siemens Eco Profile (SEP)                  | Siemens EcoTech |
| reference code / according to IEC 81346-2  | Q               |
| <b>Approvals / Certificates</b>            |                 |
| <b>General Product Approval</b>            |                 |
| EMV                                        |                 |



[Confirmation](#)



[Miscellaneous](#)



|                               |                                          |                                                    |                                                                                   |                                                                                     |                                                                                     |
|-------------------------------|------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Test Certificates</b>      |                                          |                                                    | <b>Marine / Shipping</b>                                                          |                                                                                     |                                                                                     |
| <a href="#">Miscellaneous</a> | <a href="#">Special Test Certificate</a> | <a href="#">Type Test Certificates/Test Report</a> |  |  |  |

|                                                                                     |                                                                                     |                                                    |                               |                              |                               |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>Marine / Shipping</b>                                                            |                                                                                     |                                                    | <b>other</b>                  |                              |                               |
|  |  | <a href="#">CCS (China Classification Society)</a> | <a href="#">Miscellaneous</a> | <a href="#">Confirmation</a> | <a href="#">Miscellaneous</a> |

|                                       |                                                                                     |                                                                                     |                                             |                                             |  |
|---------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|--|
| <b>Dangerous Good</b>                 | <b>Environment</b>                                                                  |                                                                                     |                                             |                                             |  |
| <a href="#">Transport Information</a> |  |  | <a href="#">Environmental Confirmations</a> | <a href="#">Environmental Confirmations</a> |  |

|                                                                                                                                                                                                                                                                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Further information</b>                                                                                                                                                                                                                                                 |  |
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>                                                                                                    |  |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>                                                                                                           |  |
| Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2340-6HM32-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2340-6HM32-0AA0</a>                                          |  |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-6HM32-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3VA2340-6HM32-0AA0</a>                                                |  |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)<br><a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-6HM32-0AA0">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2340-6HM32-0AA0</a> |  |
| CAx-Online-Generator<br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                                                                                                                                                                |  |
| Tender specifications<br><a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>                                                                                                                                                         |  |





