

Siemens  
EcoTech



circuit breaker 3VA2 IEC Frame 100 breaking capacity class H Icu=85 kA @ 415 V  
3-pole, line protection ETU330, LIG, In=25 A overload protection Ir=10 A...25 A  
short-circuit protection Ii=1.5...12 x In ground-fault protection Ig=0.6... 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                                                                              | 0.84 W                                  |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole           | 0.28 W                                  |
| mechanical service life (operating cycles) / typical                                                  | 25 000                                  |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                                      | 15 000                                  |
| electrical endurance (operating cycles) / at AC-1 / at 690 V                                          | 10 500                                  |
| 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                                                                                            | 2.13 kg                                 |
| Current                                                                                               |                                         |
| operational current                                                                                   |                                         |
| • at 40 °C                                                                                            | 25 A                                    |
| • at 45 °C                                                                                            | 25 A                                    |
| • at 50 °C                                                                                            | 25 A                                    |
| • at 55 °C                                                                                            | 25 A                                    |
| • at 60 °C                                                                                            | 25 A                                    |
| • at 65 °C                                                                                            | 25 A                                    |
| • at 70 °C                                                                                            | 25 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                                   |
| • at 500 V                                                                                            | 55 kA                                   |
| • at 690 V                                                                                            | 2 kA                                    |
| operating short-circuit current breaking capacity (Ics)                                               |                                         |
| • at 240 V                                                                                            | 110 kA                                  |
| • at 415 V                                                                                            | 85 kA                                   |
| • at 440 V                                                                                            | 85 kA                                   |
| • at 500 V                                                                                            | 55 kA                                   |
| • at 690 V                                                                                            | 2 kA                                    |
| short-circuit current making capacity (Icm)                                                           |                                         |
| • at 240 V                                                                                            | 242 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>                                 | 187 kA<br>187 kA<br>121 kA<br>3 kA |
| <b>Adjustable parameters</b>                                                                                                                             |                                    |
| product feature / for L-tripping / can be switched on/off                                                                                                | No                                 |
| adjustable response value setting current (I <sub>r</sub> ) / of the L-trip / with I <sub>2t</sub> characteristic                                        |                                    |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                           | 10 A<br>25 A                       |
| adjustable response value delay time (t <sub>r</sub> ) / for L-tripping / with I <sub>2t</sub> characteristic                                            |                                    |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                           | 0.5 s<br>17 s                      |
| adjustable response value setting current (I <sub>i</sub> ) / for I-tripping                                                                             |                                    |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                           | 37 A<br>300 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>                                                            | 15 A<br>25 A                       |
| adjustable response value delay time (t <sub>g</sub> ) / for G-tripping / with I <sub>0t</sub> characteristic                                            |                                    |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                           | 0.1 s<br>0.3 s                     |
| adjustable setting current (I <sub>nN</sub> ) / 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                                                                                                                  | Yes                                |
| <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]                                                                                                                                              | 7.13 in                            |
| height                                                                                                                                                   | 181 mm                             |
| width [in]                                                                                                                                               | 4.13 in                            |
| width                                                                                                                                                    | 105 mm                             |
| depth [in]                                                                                                                                               | 3.39 in                            |
| depth                                                                                                                                                    | 86 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                                                                | 13 x 1 mm                          |
| type of connectable conductor cross-sections / for flat-bar terminal connection / maximum                                                                | 25 x 8 mm                          |
| design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)                                                                       | tin                                |
| design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)                                                                    | tin                                |
| <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> </ul> | -25 °C<br>70 °C<br>-40 °C          |

• during storage / maximum

80 °C

#### Environmental footprint

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| global warming potential [CO2 eq] / total                | 61.814 kg       |
| global warming potential [CO2 eq] / during manufacturing | 14.6 kg         |
| global warming potential [CO2 eq] / during operation     | 48.9 kg         |
| global warming potential [CO2 eq] / after end of life    | -2.2 kg         |
| Siemens Eco Profile (SEP)                                | Siemens EcoTech |
| reference code / according to IEC 81346-2                | Q               |

#### Approvals / Certificates

##### General Product Approval



[Miscellaneous](#)



[Confirmation](#)

| General Product Approval | EMV | Test Certificates | Maritime application |
|--------------------------|-----|-------------------|----------------------|
|--------------------------|-----|-------------------|----------------------|



[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



| Maritime application | other |
|----------------------|-------|
|----------------------|-------|



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

[Miscellaneous](#)

[Miscellaneous](#)

| other | Dangerous goods | Environment |
|-------|-----------------|-------------|
|-------|-----------------|-------------|

[Confirmation](#)



[Transport Information](#)

[Environmental Confirmations](#)

Siemens EcoTech



[Environmental Confirmations](#)

#### Environment



#### 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=3VA2025-6HM32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2025-6HM32-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2025-6HM32-0AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2025-6HM32-0AA0)

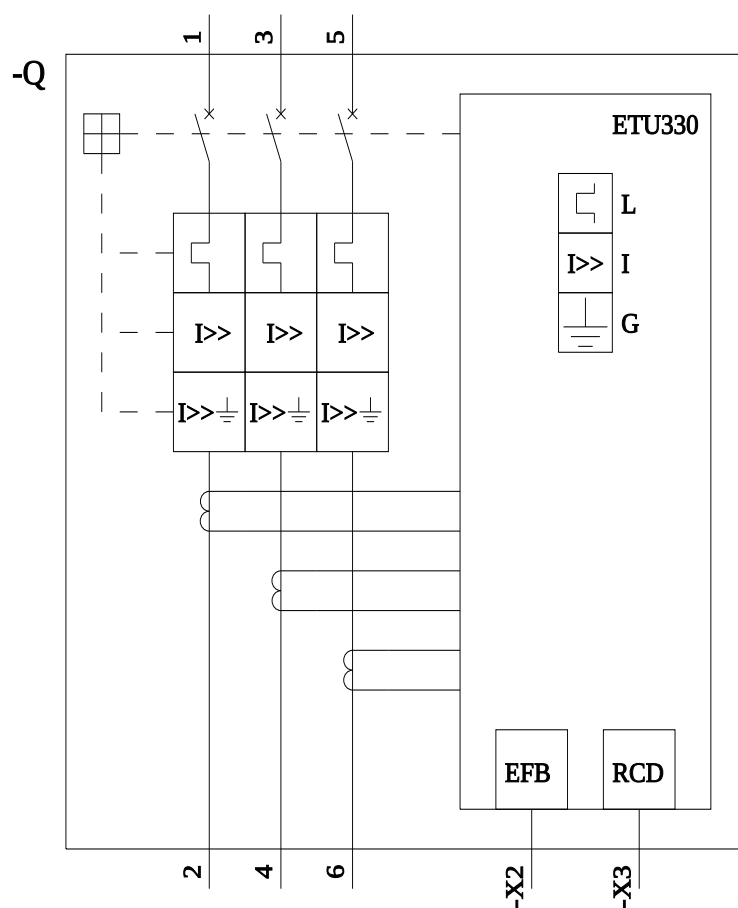
CAX-Online-Generator

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

Tender specifications

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

Characteristic curves



**last modified:**

4/3/2025 