



circuit breaker 3VA2 IEC frame 630 breaking capacity class H  $I_{cu}=85\text{kA}$  @ 415V 4-pole, line protection ETU550, LSI,  $I_n=630\text{A}$  overload protection  $I_r=250\text{A}...630\text{A}$  short-circuit protection  $I_{sd}=0.6..9 \times I_n$ ,  $I_i=1.5..9 \times I_n$  N conductor protection adjustable (OFF, up to 100%) nut keeper kit

| Model                                                                                          |                             |
|------------------------------------------------------------------------------------------------|-----------------------------|
| product brand name                                                                             | SENTRON                     |
| product designation                                                                            | Molded case circuit breaker |
| Product version                                                                                | Line protection             |
| design of the overcurrent release                                                              | ETU550                      |
| protection function of the overcurrent release                                                 | LSI                         |
| number of poles                                                                                | 4                           |
| General technical data                                                                         |                             |
| rated insulation voltage $U_i$                                                                 | 800 V                       |
| power loss [W] / maximum                                                                       | 162 W                       |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 54 W                        |
| mechanical service life (switching cycles) / typical                                           | 20 000                      |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz                      | 5 000                       |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz                          | 3 500                       |
| Neutral conductors / upgradeable/retrofitable                                                  | No                          |
| ground-fault monitoring version                                                                | Without                     |
| product function                                                                               |                             |
| • communication function                                                                       | Yes                         |
| • other measurement function                                                                   | No                          |
| Net Weight                                                                                     | 6,694 kg                    |
| Current                                                                                        |                             |
| Max. rated operational current of the frame size                                               | 630 A                       |
| Courant permanent assigné $I_u$                                                                | 630 A                       |
| operational current                                                                            |                             |
| • at 40 °C                                                                                     | 630 A                       |
| • at 45 °C                                                                                     | 600 A                       |
| • at 50 °C                                                                                     | 570 A                       |
| • at 55 °C                                                                                     | 540 A                       |
| • at 60 °C                                                                                     | 510 A                       |
| • at 65 °C                                                                                     | 480 A                       |
| • at 70 °C                                                                                     | 450 A                       |
| Switching capacity according to IEC 60947                                                      |                             |
| switching capacity class of the circuit breaker                                                | H                           |
| breaking capacity maximum short-circuit current ( $I_{cu}$ )                                   |                             |
| • at 240 V                                                                                     | 110 kA                      |
| • at 415 V                                                                                     | 85 kA                       |
| • at 440 V                                                                                     | 85 kA                       |



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

[UK Declaration of Conformity](#)

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

[Special Test Certificate](#)



| Marine / Shipping | other |  |  |  |  |
|-------------------|-------|--|--|--|--|
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[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=3VA2463-6JP42-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2463-6JP42-0AA0>

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

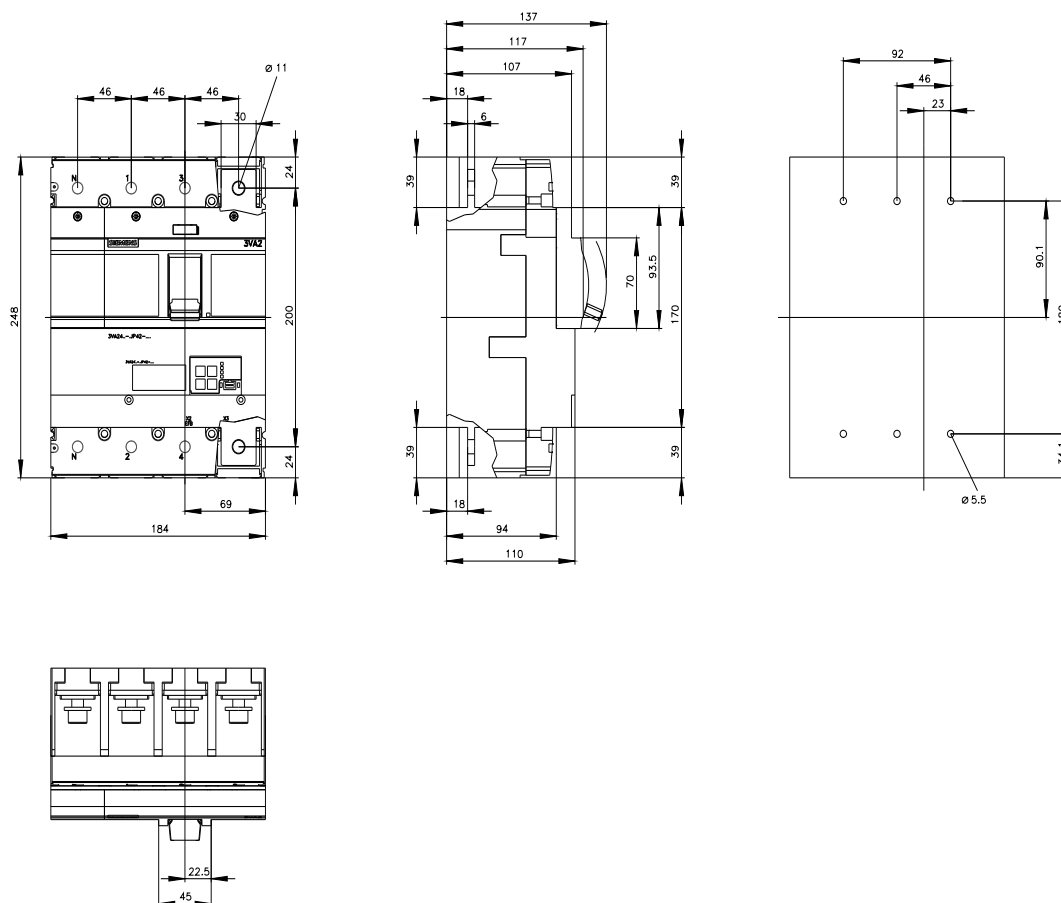
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2463-6JP42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2463-6JP42-0AA0)

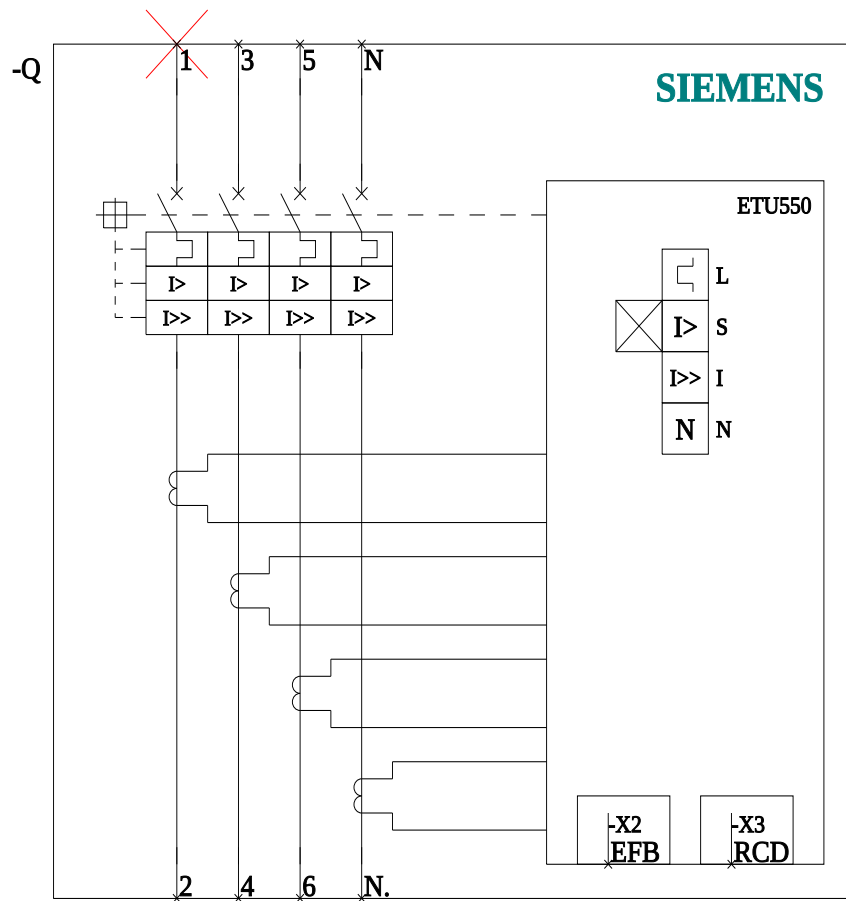
CAX-Online-Generator

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

Tender specifications

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





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