



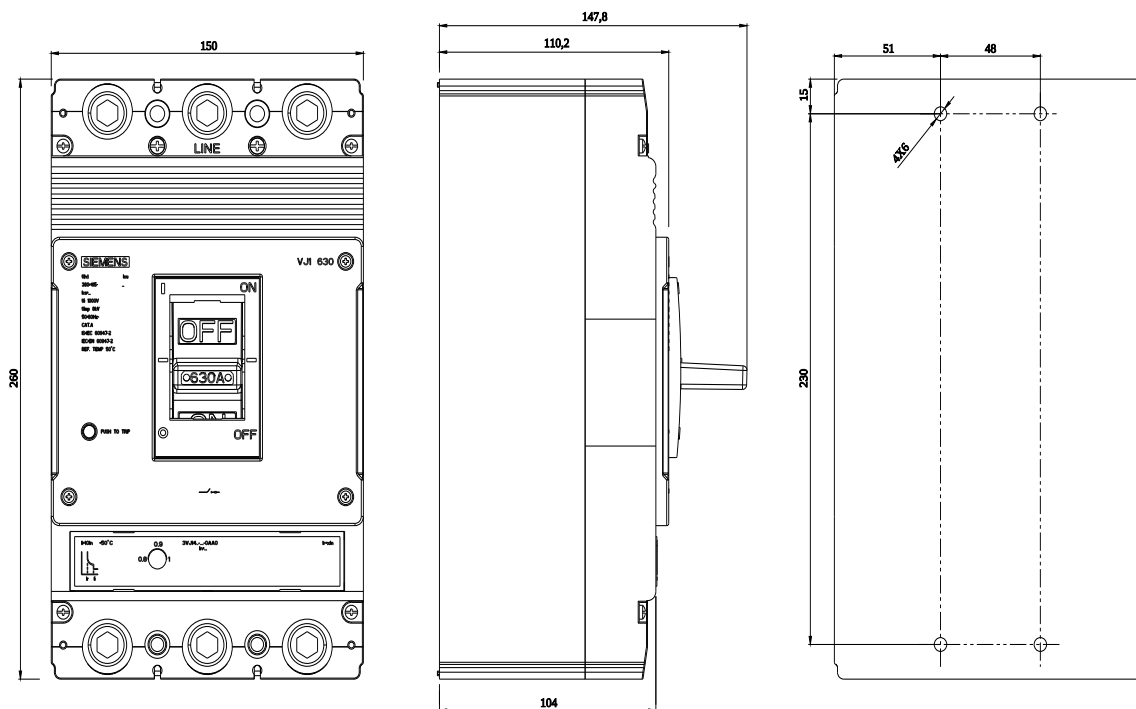
circuit breaker 3VJ1 IEC framesize 3VJ14 630A line protection ATFM 3-pole  
Icu=36kA@415V Ics=75% Icu In=630A overload protection Ir=504A..630A short-circuit protection Ii=10 x In Screw connection

| Model                                                                                       |                             |
|---------------------------------------------------------------------------------------------|-----------------------------|
| product designation                                                                         | Molded Case Circuit Breaker |
| design of the product                                                                       | Line protection             |
| design of the overcurrent release                                                           | ATFM                        |
| protection function of the overcurrent release                                              | LI                          |
| number of poles                                                                             | 3                           |
| General technical data                                                                      |                             |
| insulation voltage / rated value                                                            | 1 000 V                     |
| operating voltage / at AC / rated value                                                     | 415 V                       |
| power loss [W] / maximum                                                                    | 31.5 W                      |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 10.5 W                      |
| mechanical service life (operating cycles) / typical                                        | 10 000                      |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                            | 4 500                       |
| ground-fault monitoring version                                                             | without                     |
| Net Weight                                                                                  | 5.46 kg                     |
| Current                                                                                     |                             |
| operational current                                                                         |                             |
| • at 40 °C                                                                                  | 630 A                       |
| • at 45 °C                                                                                  | 630 A                       |
| • at 50 °C                                                                                  | 630 A                       |
| • at 55 °C                                                                                  | 613.62 A                    |
| • at 60 °C                                                                                  | 598.5 A                     |
| Switching capacity according to IEC 60947                                                   |                             |
| maximum short-circuit current breaking capacity (Icu)                                       |                             |
| • at 415 V                                                                                  | 36 kA                       |
| operating short-circuit current breaking capacity (Ics)                                     |                             |
| • at 415 V                                                                                  | 27 kA                       |
| short-circuit current making capacity (Icm)                                                 |                             |
| • at 415 V                                                                                  | 75.6 kA                     |
| Adjustable parameters                                                                       |                             |
| adjustable current response value current / of the current-dependent overload release       | 504 ... 630 A               |
| adjustable current response value current / of instantaneous short-circuit trip unit        |                             |
| • minimum                                                                                   | 6 300 A                     |
| • maximum                                                                                   | 6 300 A                     |
| product function / grounding protection                                                     | No                          |
| Mechanical Design                                                                           |                             |
| height                                                                                      | 180 mm                      |
| width                                                                                       | 150 mm                      |

|                                                                 |                                   |
|-----------------------------------------------------------------|-----------------------------------|
| depth                                                           | 110 mm                            |
| <b>Connections</b>                                              |                                   |
| arrangement of electrical connectors / for main current circuit | Front connection                  |
| type of electrical connection / for main current circuit        | Lug connection line and load side |
| <b>Accessories</b>                                              |                                   |
| product extension / optional / motor drive                      | No                                |
| <b>Environmental conditions</b>                                 |                                   |
| protection class IP / on the front                              | IP42                              |
| ambient temperature                                             |                                   |
| • during operation / minimum                                    | -10 °C                            |
| • during operation / maximum                                    | 60 °C                             |
| • during storage / minimum                                      | -15 °C                            |
| • during storage / maximum                                      | 75 °C                             |
| <b>Approvals / Certificates</b>                                 |                                   |
| other                                                           |                                   |

[Confirmation](#)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>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></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)<br/> <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a></p> <p>Industry Mall (Online ordering system)<br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VJ1463-5DB32-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VJ1463-5DB32-0AA0</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3VJ1463-5DB32-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3VJ1463-5DB32-0AA0</a></p> <p>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=3VJ1463-5DB32-0AA0">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1463-5DB32-0AA0</a></p> <p>CAX-Online-Generator<br/> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p>Tender specifications<br/> <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a></p> |



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