



circuit breaker 3VJ1 IEC framesize 3VJ10 125A line protection ATFM 3-pole  
 $I_{cu}=18\text{kA}@415\text{V}$   $I_{cs}=75\%$   $I_{cu}$   $I_n=16\text{A}$  overload protection  $I_r=12.8\text{A}..16\text{A}$  short-circuit protection  $I_i=500\text{A}$  Screw connection

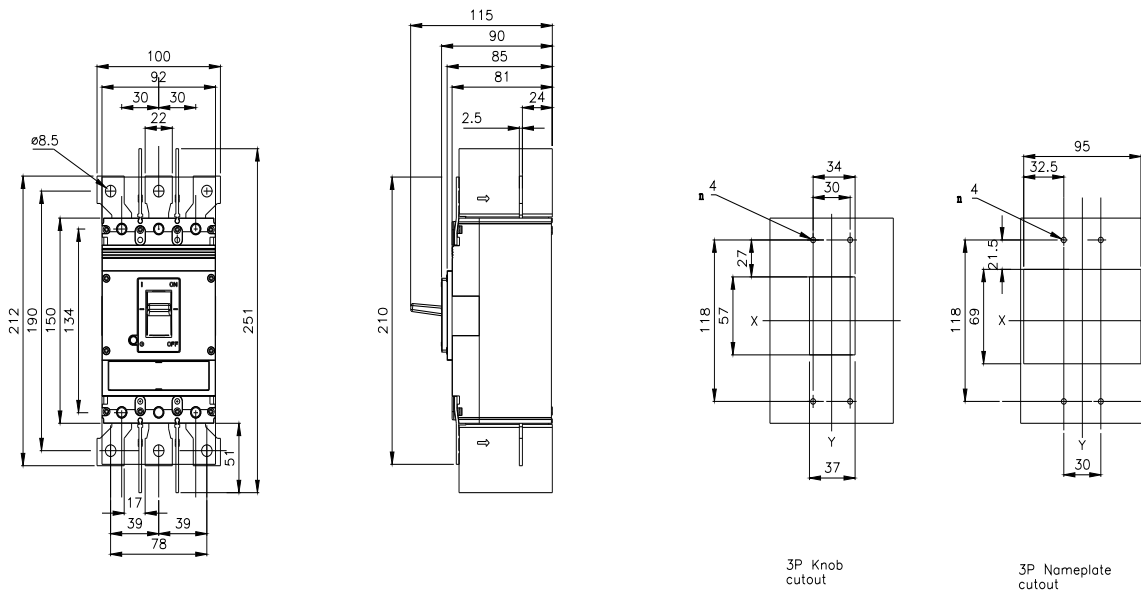
| Model   |                             |
|---|-----------------------------|
| product designation   | Molded Case Circuit Breaker |
| design of the product   | Line protection             |
| design of the overcurrent release   | ATFM                        |
| protection function of the overcurrent release  | LI                          |
| number of poles   | 3                           |
| General technical data  |                             |
| insulation voltage / rated value  | 800 V                       |
| operating voltage / at AC / rated value   | 415 V                       |
| power loss [W] / maximum  | 28.5 W                      |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 9.5 W                       |
| mechanical service life (operating cycles) / typical  | 15 000                      |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V                            | 5 000                       |
| ground-fault monitoring version   | without                     |
| Net Weight  | 0.815 kg                    |
| Current   |                             |
| operational current   |                             |
| • at 40 °C  | 16 A                        |
| • at 45 °C  | 16 A                        |
| • at 50 °C  | 16 A                        |
| • at 55 °C  | 15.552 A                    |
| • at 60 °C  | 15.104 A                    |
| Switching capacity according to IEC 60947   |                             |
| maximum short-circuit current breaking capacity ( $I_{cu}$ )                                |                             |
| • at 415 V  | 18 kA                       |
| operating short-circuit current breaking capacity ( $I_{cs}$ )                              |                             |
| • at 415 V  | 13.5 kA                     |
| short-circuit current making capacity ( $I_{cm}$ )  |                             |
| • at 415 V  | 36 kA                       |
| Adjustable parameters   |                             |
| adjustable current response value current / of the current-dependent overload release       | 12.8 ... 16 A               |
| adjustable current response value current / of instantaneous short-circuit trip unit        |                             |
| • minimum   | 500 A                       |
| • maximum   | 500 A                       |
| product function / grounding protection   | No                          |
| Mechanical Design   |                             |
| height  | 126 mm                      |
| width   | 80 mm                       |

|   |                                   |
|---|-----------------------------------|
| depth   | 68 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](#)

**Further information**

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
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=3VJ1096-1DB32-0AA0>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3VJ1096-1DB32-0AA0>  
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VJ1096-1DB32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1096-1DB32-0AA0)  
CAx-Online-Generator  
<http://www.siemens.com/cax>  
Tender specifications  
<http://www.siemens.com/specifications>



last modified:

8/9/2023

