

circuit breaker 3VJ1 IEC framesize 3VJ10 125A line protection ATFM 3-pole  
Icu=10kA@415V Ics=100% Icu In=32A overload protection Ir=25.6A..32A short-circuit protection Ii=550A 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  | 0.82 kg                           |
| Current   |                                   |
| continuous current / rated value  | 32 A                              |
| operational current   |                                   |
| • at 40 °C  | 32 A                              |
| • at 45 °C  | 32 A                              |
| • at 50 °C  | 32 A                              |
| • at 55 °C  | 31.104 A                          |
| • at 60 °C  | 30.208 A                          |
| Switching capacity according to IEC 60947   |                                   |
| maximum short-circuit current breaking capacity (Icu)                                       |                                   |
| • at 415 V  | 10 kA                             |
| operating short-circuit current breaking capacity (Ics)                                     |                                   |
| • at 415 V  | 10 kA                             |
| short-circuit current making capacity (Icm)   |                                   |
| • at 415 V  | 17 kA                             |
| Adjustable parameters   |                                   |
| adjustable current response value current / of the current-dependent overload release       | 25.6 ... 32 A                     |
| adjustable current response value current / of instantaneous short-circuit trip unit        |                                   |
| • minimum   | 550 A                             |
| • maximum   | 550 A                             |
| product function / grounding protection   | No                                |
| Mechanical Design   |                                   |
| height  | 126 mm                            |
| width   | 80 mm                             |
| depth   | 68 mm                             |
| Connections   |                                   |
| arrangement of electrical connectors / for main current circuit                             | Front connection                  |
| type of electrical connection / for main current circuit                                    | Lug connection line and load side |
| Accessories   |                                   |
| product extension / optional / motor drive  | No                                |
| Environmental conditions  |                                   |
| 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  |

#### Approvals / Certificates

|                   |       |
|-------------------|-------|
| Test Certificates | other |
|-------------------|-------|

[Type Test Certificates/Test Report](#)

[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=3VJ1003-0DB32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VJ1003-0DB32-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VJ1003-0DB32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1003-0DB32-0AA0)

CAX-Online-Generator

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

Tender specifications

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

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