SIEMENS

## Data sheet 3VJ1220-7DA22-0AA0

circuit breaker 3VJ1 IEC framesize 3VJ12 250A line protection FTFM 2-pole Icu=55kA@415V Ics=75% Icu In=200A overload protection Ir=200A short-circuit protection Ii=10 x In Screw connection

| | |
|---|---|
| **Model** | |
| product brand name | SINOPLUS |
| product designation | Molded Case Circuit Breaker |
| design of the product | Line protection |
| design of the overcurrent release | FTFM |
| protection function of the overcurrent release | LI |
| number of poles | 2 |
| **General technical data** | |
| insulation voltage / rated value | 1 000 V |
| operating voltage / at AC / rated value | 415 V |
| power loss [W] / maximum | 21 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 | 15 000 |
| electrical endurance (operating cycles) / at AC-1 / at 380/415 V | 5 000 |
| ground-fault monitoring version | without |
| Net Weight | 1.6 kg |
| **Current** | |
| continuous current / rated value | 200 A |
| operational current | |
| ● at 40 °C | 200 A |
| ● at 45 °C | 200 A |
| ● at 50 °C | 200 A |
| ● at 55 °C | 196 A |
| ● at 60 °C | 191.6 A |
| **Switching capacity according to IEC 60947** | |
| maximum short-circuit current breaking capacity (Icu) | |
| ● at 415 V | 55 kA |
| operating short-circuit current breaking capacity (Ics) | |
| ● at 415 V | 41.25 kA |
| short-circuit current making capacity (Icm) | |
| ● at 415 V | 121 kA |
| **Adjustable parameters** | |
| adjustable current response value current / of the current-dependent overload release | 200 A |
| adjustable current response value current / of instantaneous short-circuit trip unit | |
| ● minimum | 2 000 A |
| ● maximum | 2 000 A |
| product function / grounding protection | No |


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| Mechanical Design | |
|---|---|
| product component | |
| ● undervoltage release | No |
| ● trip indicator | No |
| height | 166 mm |
| width | 107.5 mm |
| depth | 85 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 Certific-ates/Test Report | Confirmation |

**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=3VJ1220-7DA22-0AA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3VJ1220-7DA22-0AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VJ1220-7DA22-0AA0
**CAx-Online-Generator**
https://www.siemens.com/cax
**Tender specifications**
https://www.siemens.com/specifications
**Kennlinien**
https://curves.simaris.siemens.com/curves/3VJ1220-7DA22-0AA0


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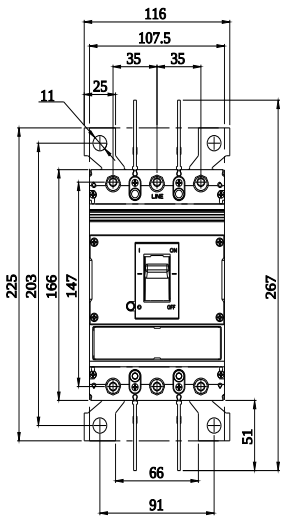
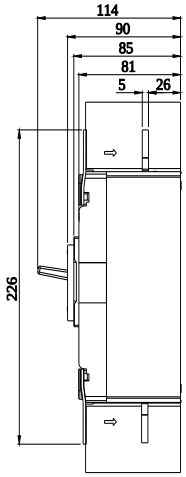
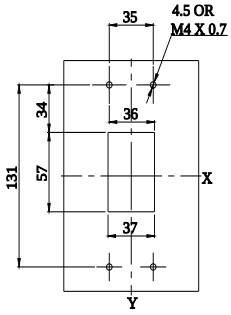
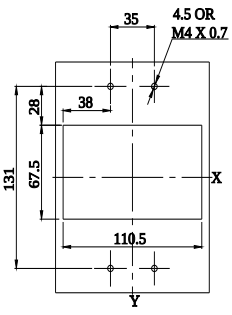



Knob cutout




Name plate cutout

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