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CIRCUIT-BREAKER VL 1250N STANDARD BREAKING CAPACITY ICU=55KA / 415 V AC 3 POLE, NON-AUTOMATIC OVERCURRENT RELEASE MAGNETIC IN=1250A, RATED CURRENT II=12000A, SHORT-CIRCUIT II=12000A, SHORT-CIRCUIT

General technical data:

| | | |
|----------------------------------------------------------------|-----|--------------------------------|
| Number of poles | | 3 |
| Design of the overcurrent release | | M |
| Acceptability for application | | non-automatic circuit-breakers |
| Electrical operating cycles as operating time / typical | | 1,500 |
| Mechanical operating cycles as operating time / typical | | 3,000 |
| Active power loss / maximum | W | 210 |
| Product component | | |
| • auxiliary switch | | No |
| • Voltage trigger | | No |
| • undervoltage release mechanism | | No |
| • undervoltage release with leading contact | | No |
| Product function | | |
| • ground-fault protection | | No |
| • for zero conductors / short-circuit and overload protection | | No |
| • overload protection | | No |
| Operating cycles / maximum | 1/s | 30 |
| Protection class IP | | IP20 |
| Protective function of the overcurrent release | | I |

| | | |
|-------------------------------------------------|----|---------|
| Impulse voltage resistance / rated value | kV | 8 |
| Ambient temperature | | |
| • during operating | | |
| • minimum | °C | -25 ... |
| • maximum | °C | 70 |
| • during storage | | |
| • minimum | °C | -40 |
| • maximum | °C | 50 |

Main circuit:

| | | |
|-----------------------------------------------------------------------------|----|-------|
| Insulation voltage / for AC / rated value | V | 800 |
| Operating frequency | | |
| • 1 / rated value | Hz | 50 |
| • 2 / rated value | Hz | 60 |
| Item designation | | |
| • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | Q |
| • according to DIN EN 61346-2 | | Q |
| Operating voltage | | |
| • for main current circuit | | |
| • at 50 Hz / for AC | | |
| • maximum | V | 690 |
| • at 60 Hz / for AC | | |
| • maximum | V | 690 |
| • for DC | | |
| • maximum | V | 500 |
| Operating current | | |
| • at 40 °C / rated value | A | 1,250 |
| • at 50 °C / rated value | A | 1,250 |
| • at 60 °C / rated value | A | 1,162 |
| • at 70 °C / rated value | A | 1,075 |
| Continuous current / rated value | A | 1,250 |
| Derating temperature / for the rated value of the continuous current | °C | 50 |

Auxiliary circuit:

| | |
|-------------------------------------------------------|---|
| Number of NC contacts / for auxiliary contacts | 0 |
| Number of NO contacts / for auxiliary contacts | 0 |

Short-circuit:

| | |
|---------------------------------------------|--|
| Adjustable response current | |
| • of the current-dependent overload release | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|
| <ul style="list-style-type: none"> • initial value • of the non-delayed short-circuit release • initial value • final value | | ... |
| | A | 12,000 ... |
| | A | 12,000 |
| Breaking capacity limit short-circuit current (I_{cu}) / at 415 V / rated value | kA | 55 |

Installation/mounting/dimensions:

| | | |
|-------------------------|----|----------------|
| Type of mounting | | fixed mounting |
| Height | mm | 406.5 |
| Width | mm | 228.5 |
| Depth | mm | 333.5 |

Connections:

| | | |
|------------------------------------------------------------------------|--|----------------------|
| Arrangement of electrical connectors / for main current circuit | | front side |
| Design of the electrical connection / for main current circuit | | screw-type terminals |

Certificates/approvals:

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/lowvoltage/mall>

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

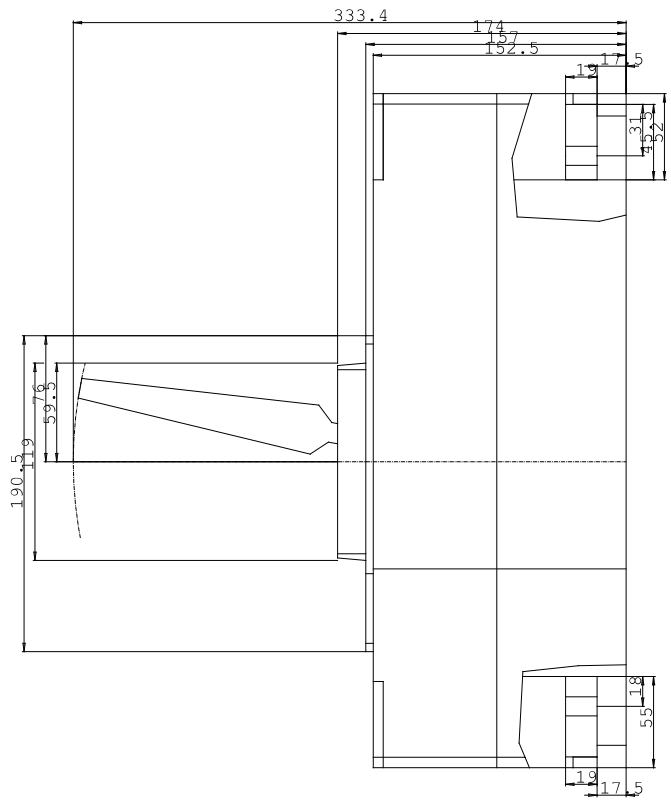
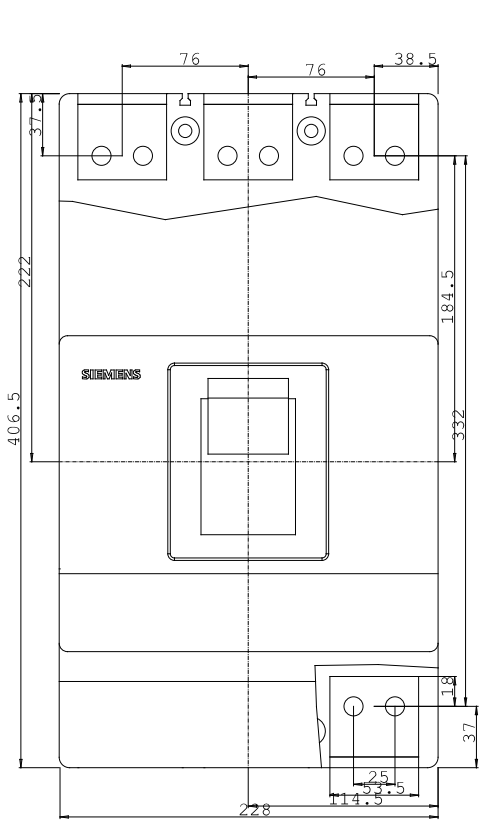
<http://support.automation.siemens.com/WWW/view/en/3VL7712-1DE36-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL7712-1DE36-0AA0

CAX-Online-Generator

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



last change:

May 14, 2012