

circuit breaker VL1250H high breaking capacity Icu=70kA, 415V AC 3-pole, line protection trip unit ETU20, LSI In=1250A, rated current IR=500...1250A, overload protection, ISD=1.5 to 10xIR, II=11 xIN short-circuit protection shipbuilding certificate for LRS, DNV and gL without auxiliary release without auxiliary/alarm switch

| Model | |
|--|-----------------------------|
| type of the driving mechanism motor drive | No |
| design of the overcurrent release | ETU20 |
| General technical data | |
| number of poles | 3 |
| size of the circuit-breaker | 3VL7 |
| mechanical service life (operating cycles) typical | 3 000 |
| electrical endurance (operating cycles) typical | 1 500 |
| utilization category | A |
| performance class for circuit breaker | N |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 | Q |
| operating frequency maximum | 30 1/s |
| Voltage | |
| Rated operational voltage Ue max. | 690 V |
| <ul style="list-style-type: none"> insulation voltage rated value insulation voltage (Ui) at AC rated value | 800 V |
| surge voltage resistance rated value | 8 kV |
| operating voltage <ul style="list-style-type: none"> rated value maximum for main current circuit at AC at 50 Hz maximum for main current circuit at AC at 60 Hz maximum | 690 V |
| Protection class | |
| protection class IP | IP20 |
| protection function of the overcurrent release | LSI |
| Main circuit | |
| operating frequency <ul style="list-style-type: none"> 1 rated value 2 rated value | 50 Hz |
| | 60 Hz |
| Auxiliary circuit | |
| number of CO contacts for auxiliary contacts | 0 |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 0 |
| Suitability | |
| suitability for use | system/generator protection |
| Adjustable parameters | |
| adjustable current response value current of the current-dependent overload release initial value | 500 A |
| Product details | |
| product component <ul style="list-style-type: none"> trip indicator auxiliary switch voltage trigger undervoltage release undervoltage release with leading contact | No |
| | No |
| | No |
| | No |
| | No |
| product extension optional motor drive | Yes |
| Product function | |
| product function | |

- of thermal overload trip unit
- grounding protection
- for neutral conductors short-circuit and overload proof
- overload protection

adjustable
No
No
Yes

Short circuit

operating short-circuit current breaking capacity (Ics)

- at 240 V rated value 50 kA
- at 415 V rated value 35 kA
- at 500 V rated value 30 kA
- at 690 V rated value 15 kA

maximum short-circuit current breaking capacity (Icu)

- at 240 V rated value 100 kA
- at 415 V rated value 70 kA
- at 440 V rated value 50 kA
- at 480 V according to NEMA rated value 50 kA
- at 500 V rated value 40 kA
- at 600 V according to NEMA rated value 30 kA
- at 690 V rated value 30 kA

Connections

arrangement of electrical connectors for main current circuit front side

type of connectable conductor cross-sections for auxiliary contacts

- solid 0.75 ... 1.5 mm²
- finely stranded with core end processing 0,75 ... 1.0 mm²

type of electrical connection for main current circuit screw-type terminals

Mechanical Design

height 406.5 mm

width 228.5 mm

depth 333.5 mm

fastening method fixed mounting

Environmental conditions

ambient temperature during operation

- minimum -25 °C
- maximum 70 °C

ambient temperature during storage

- minimum -40 °C
- maximum 80 °C

Approvals Certificates

General Product Approval

Test Certificates

Marine / Shipping



[Confirmation](#)



EG-Konf.



[Special Test Certificate](#)



DNV

Marine / Shipping

other



LRS



RINA



RMRS

[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

Dangerous Good

Environment

[Transport Information](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

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=3VL7712-2LE36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL7712-2LE36-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL7712-2LE36-0AA0

CAX-Online-Generator

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

Tender specifications

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

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