SIEMENS

Data sheet

3VL2710-1MP33-0AB1

circuit breaker VL160N standard breaking capacity Icu=55kA, 415V AC 3-pole, motor/generator prot. Electronic Trip Unit ETU10M, LI In=100A, rated current IR=40...100A, overload protection, II=1.25 to 11xIN, short-circuit protection without auxiliary release ETU communication-capable Auxiliary switch mounting kit 2 AUX (1 NO + 1 NC)

| design of the actuating element Toggle lever Type of the driving mechanism motor drive No design of the overcurrent release ETUIOM General technical data number of poles 3 size of the circuit-breaker mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance class for circuit breaker Moreorem of the control of the |
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| number of NO contacts for auxiliary contacts 1 |
| Suitability |
| suitability for use Motor Protection |
| Adjustable parameters |
| adjustable current response value current of the current- dependent overload release initial value |
| Product details |
| product component |
| • trip indicator No |
| • auxiliary switch Yes |
| • voltage trigger No |

| undervoltage release | No | |
|---|----------------|---------------------------|
| product extension optional motor drive | Yes | |
| Product function | | |
| product function | | |
| of thermal overload trip unit | adjustable | |
| grounding protection | No | |
| for neutral conductors short-circuit and overload proof | No | |
| overload protection | Yes | |
| Short circuit | | |
| operating short-circuit current breaking capacity (lcs) | | |
| • at 240 V rated value | 65 kA | |
| • at 415 V rated value | 55 kA | |
| at 500 V rated value | 20 kA | |
| at 690 V rated value | 6 kA | |
| maximum short-circuit current breaking capacity (Icu) | | |
| at 240 V rated value | 65 kA | |
| at 415 V rated value | 55 kA | |
| at 440 V rated value | 25 kA | |
| at 480 V according to NEMA rated value | 25 kA | |
| at 500 V rated value | 25 kA | |
| at 600 V according to NEMA rated value | 12 kA | |
| • at 690 V rated value | 12 kA | |
| Connections | 12101 | |
| arrangement of electrical connectors for main current circuit | front side | |
| type of connectable conductor cross-sections for main contacts | | |
| with flexible busbar | 12 x 10 mm | |
| • solid | 2.5 95 mm² | |
| finely stranded with core end processing | 2.5 50 mm² | |
| • stranded | 2.5 95 mm² | |
| 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 | box terminal | |
| Mechanical Design | | |
| height | 174.5 mm | |
| width | 104.5 mm | |
| depth | 106.5 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 | | Declaration of Conformity |
| | | • |

Confirmation



Miscellaneous







Test Certificates

Marine / Shipping

other

Special Test Certificate





Miscellaneous

Confirmation

Miscellaneous

Environment

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3VL2710-1MP33-0AB1

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

https://support.industry.siemens.com/cs/ww/en/ps/3VL2710-1MP33-0AB1

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL2710-1MP33-0AB1

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

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