

circuit breaker VL630N standard breaking capacity  $I_{cu}=55\text{kA}$ , 415V AC 3-pole, line protection trip unit ETU22, LSIG 3 phases/3 lines  $I_n=630\text{A}$ , rated current  $I_R=252\ldots630\text{A}$ , overload protection,  $ISD=1.5$  to  $9 \times I_R$ ,  $I_t=10 \times I_n$  short-circuit protection Shunt release 220...250 V DC Auxiliary/alarm switch mounting kit 2 AUX (1 NO+1 NC)+1 AS (1 NO)

| Model                                                                                                                                                                                                                                                                    |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| type of the driving mechanism / motor drive                                                                                                                                                                                                                              | No     |
| design of the overcurrent release                                                                                                                                                                                                                                        | ETU22  |
| General technical data                                                                                                                                                                                                                                                   |        |
| number of poles                                                                                                                                                                                                                                                          | 3      |
| size of the circuit-breaker                                                                                                                                                                                                                                              | 3VL5   |
| mechanical service life (switching cycles) / typical                                                                                                                                                                                                                     | 10 000 |
| electrical endurance (switching cycles) / typical                                                                                                                                                                                                                        | 5 000  |
| utilization category                                                                                                                                                                                                                                                     | A      |
| performance class for circuit breaker                                                                                                                                                                                                                                    | N      |
| reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750                                                                                                                                                                                     | Q      |
| operating frequency / maximum                                                                                                                                                                                                                                            | 60 1/s |
| Voltage                                                                                                                                                                                                                                                                  |        |
| Rated operational voltage $U_e$ / max.                                                                                                                                                                                                                                   | 690 V  |
| <ul style="list-style-type: none"> <li>insulation voltage / rated value</li> <li>insulation voltage (<math>U_i</math>) / at AC / rated value</li> </ul>                                                                                                                  | 800 V  |
| surge voltage resistance / rated value                                                                                                                                                                                                                                   | 8 kV   |
| operating voltage                                                                                                                                                                                                                                                        |        |
| <ul style="list-style-type: none"> <li>rated value / maximum</li> <li>for main current circuit / at AC / at 50 Hz / maximum</li> <li>for main current circuit / at AC / at 60 Hz / maximum</li> </ul>                                                                    | 690 V  |
| Protection class                                                                                                                                                                                                                                                         |        |
| protection class IP                                                                                                                                                                                                                                                      | IP20   |
| protection function of the overcurrent release                                                                                                                                                                                                                           | LSIG   |
| Current                                                                                                                                                                                                                                                                  |        |
| operational current                                                                                                                                                                                                                                                      |        |
| <ul style="list-style-type: none"> <li>at 40 °C / rated value</li> <li>at 45 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 70 °C / rated value</li> </ul> | 630 A  |
| continuous current / rated value                                                                                                                                                                                                                                         | 630 A  |
| derating temperature / for the rated value of the continuous current                                                                                                                                                                                                     | 50 °C  |
| adjustable current response value current                                                                                                                                                                                                                                |        |
| <ul style="list-style-type: none"> <li>of the current-dependent overload release / full-scale value</li> <li>of instantaneous short-circuit trip unit / minimum</li> <li>of instantaneous short-circuit trip unit / maximum</li> </ul>                                   | 630 A  |
| Main circuit                                                                                                                                                                                                                                                             |        |
| operating frequency                                                                                                                                                                                                                                                      |        |
| <ul style="list-style-type: none"> <li>1 / rated value</li> <li>2 / rated value</li> </ul>                                                                                                                                                                               | 50 Hz  |
| Auxiliary circuit                                                                                                                                                                                                                                                        |        |
| number of CO contacts / for auxiliary contacts                                                                                                                                                                                                                           | 0      |





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#### Further information

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=3VL5763-1SG36-8QE1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VL5763-1SG36-8QE1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VL5763-1SG36-8QE1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VL5763-1SG36-8QE1)

CAX-Online-Generator

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

Tender specifications

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



