**Technical specification for 20/0,4kV distribution transformer**

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| Technical requirements | Requested: | Offered: |
| * Manufacturer (name): | Please indicate |  |
| * Quantity | 2 units |  |
| * Oil immersed, hermetically sealed, three-phase power transformer | yes |  |
| * Intended for out-door installation | yes |  |
| * Standards | IEC 60076 |  |
| * Rated power | 250 kVA |  |
| * Voltage ratio | 20000 ± 2×2,5% / 400 V |  |
| * Frequency | 50 Hz |  |
| * Vector group | Dyn11 |  |
| * No-load losses | ≤ 300 W |  |
| * Load losses | ≤ 3250 W |  |
| * Impedance voltage | 4,0 %±10% |  |
| * For connection to MV network with isolated or compensated neutral | yes |  |
| * Rated voltage | 24 kV |  |
| * Insulation test: MV one-minute power frequency test | 50 kV |  |
| * Insulation test: LV one-minute power frequency test | 3 kV |  |
| * Impulse voltage test: standard impulse | 130 kV |  |
| * Impulse voltage test: chopped impulse with steep wave 2000 kV/μs according to SFS 2646 (1987) standard | 150 kV |  |
| * Ambient temperature | -40o…+40oC |  |
| * Sound power level | ≤50dB |  |
| * Off – load tap changing on MV side | yes |  |
| * Type of cooling | ONAN |  |
| * Filling medium without PCB component with certificate | Yes |  |
| * Filling medium – inhibited oil according IEC 60296: 2012 Ed. 4 | Yes |  |
| * Oil level indicator (fixed on the transformer cover) | yes |  |
| * MV side terminal | DIN - Bushing |  |
| 1. LV side terminal | DIN - Bushing |  |
| * Earthing connections | BM DIN 48088 |  |
| * Anti-rust protection | hot-dip galvanised |  |
| * Tank construction - hermetically closed, with corrugated walls | yes |  |
| * Support lugs for one pole mounting and under base without   rollers for conventional installation | yes |  |
| * Dimensions: Length × Width × Height | Please indicate |  |
| * Total mass of transformer | kg |  |
| * The transformer nameplate shall be located near the top at the middle of the low voltage side. IEC 60076-1, clause 7.1 | Aluminium material with protection coat |  |
| * Nameplate language | latvian |  |
| * Thermometer pocket | yes |  |
| * Drain valve at tank bottom | yes |  |
| 1. In filling tube | yes |  |
| * With bird protection caps for 20 kV bushings | yes |  |
| * NH-2 size fuses (type gTr 250kVA) for transformer protection | 6 units |  |
| * Manual of mounting and maintenance in Latvian and English | yes |  |
| * Routine test protocol | yes |  |