

1 Technical data

1.1 Electrical data

Rated voltage	kV	36	40.5
Rated power frequency withstand voltage	kV	80	95
Rated lightning impulse withstand voltage	kV	170	185
Insulation to:		DIN VDE/IEC	Chinese GB
Rated frequency	Hz	50/60	50
Rated current of busbars	A	...3150	...3150
Rated current of tee-offs, circuit-breaker	A	...3150 ³⁾	...3150 ³⁾
Rated peak withstand current ¹⁾	kA	...80 ⁵⁾	...80
Rated short-circuit breaking current of circuit-breaker	kA	...31.5 ⁴⁾	...31.5
Rated short-time current 3 s ¹⁾	kA	...31.5 ⁴⁾	...31.5
Auxiliary voltage	V	DC ²⁾ 60, 110, 125; AC 110, 220	DC 110, 220

1) Take the short-circuit withstand capability of the instrument transformers into account separately.

2) Special DC voltages on request.

3) Up to 3150 A at 40°C and 2500 A at 55°C with forced ventilation.

4) 40 kA on request.

5) 100 kA on request.

1.2 Resistance to internal arc faults

The fault withstand capability is 31.5 kA, 1 s. Criteria

1 to 6 of PEHLA guideline no. 4 (in conjunction with VDE 0670 part 6 and IEC 62271-200) are fulfilled. In individual cases, depending on the configuration of the switchgear panels and/or the switchroom conditions (e.g. low ceiling height), additional measures may be necessary to ensure compliance with criterion 5.

1.3 Dimensions and weights

(Figure 2/1 and 2/2)

Dimension according to Figures 2/1 and 2/2

Weight: 1300 kg to 1850 kg, according to the equipment installed.



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