



Medium Voltage Switchgear UniSafe 2.0 TCA

UniSafe characteristics

- Metal-clad air-insulated switchboard
- Designed for medium voltage distribution
- Factory-tested for indoor installations
- Arc-proof switchboards
- Earthed metallic partitions between compartments
- Reduction in the use of insulating materials
- Mechanical safety interlocks
- Compartments made of pre-galvanized sheets
- Front access for installation, maintenance and routine operations
- Complete set of apparatus: gas and vacuum circuit breakers, contactors and switch disconnectors
- Conventional instrument transformers or new generation measurement sensors
- Wide range of functional units for any installation requirement
- Easy-to-assemble modular structure





Technical data

Switchboard		12 kV	17.5 kV	24 kV
Rated voltage	:kV	12	17.5	24
Rated insulation voltage	:kV	12	17.5	24
Rated power frequency withstand voltage	:kV (1 min)	28(1)	38	50
Rated lightning impulse withstand voltage	:kV	75	95	125
Rated short-time withstand current	:kA (3s)	31.5	31.5	31.5
Peak current	:kA	80	80	80
Rated short-time withstand current	:kA (1s)	50	50	–
Peak current	:kA	125	125	–
Internal arc withstand current	:kA (1s)	31.5-40	31.5-40	31.5
	:kA (0.5s)	50	50	–
Branch connectors rated currents	A	630	630	630
		1250	1250	1250
		1600	1600	1600
		2000	2000	2000
		2500	2500	2500(2)
		3150	3150	
		3600(2)	3600(2)	
		4000(2)	4000(2)	
Main busbars rated currents	A	1250	1250	1250
		1600	1600	1600
		2000	2000	2000
		2500	2500	2500(2)
		3150	3150	
		3600(2)	3600(2)	
		4000(2)	4000(2)	



- 1 Instrument compartment
- 2 Auxiliary circuit interconnection wiring duct
- 3 Gas exhaust duct
- 4 Busbar compartment
- 5 Feeder compartment
- 6 Circuit-breaker
- 7 Circuit-breaker compartment
- 8 Withdrawable voltage transformers compartment
- 9 Withdrawable voltage transformers with fuses

