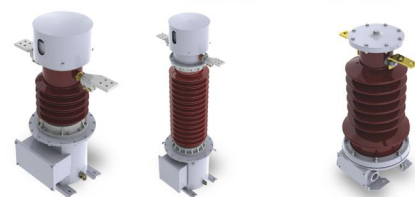


INSTRUMENT TRANSFORMERS



Oil Type Instrument Transformers

Medium Voltage Outdoor System up to 36 kV:
High Voltage Outdoor System up to 123 kV:
Current Transformer for Substation Type COU



Type COU

Type COL

Technical data

Description	COU-12	COU-24	COU-36	COU-123
Highest system voltage (kV)	12	24	36	123
Power frequency withstand voltage (r.m.s.) (kV)	28	50	70	230
Lightning impulse withstand voltage (peak) (kV)	75	125	170	550
Rated frequency (Hz)	50			
Insulating material	Oil immersed insulation Class A			
Rated primary current (A)	100 –2,000			
Rated secondary current (A)	1, 5			
Primary terminal marking	P1-P2 , H1-H2			
Secondary terminal marking	s1-s2 , x1-x2			
Number of winding (Winding)	2 ,Up to 4*special on request			
Accuracy class & Burden (Max)	30VA Class 0.5, 50VA Class 0.5, 100VA Class 1, 200VA Class 3 30VA Class 5P20, 50VA Class 5P20, 100VA Class 5P10, 200VA Class 10P10			
- Metering				
- Protection				
Rated short-time thermal current I _{th} , r.m.s. (1 sec) (kA)	40 (Max)			
Rated dynamic current I _{dyn} , r.m.s. (1 sec) (kA)	2.5 x I _{th}			
Rated continuous thermal current (%)	120			
Oil expansion	Metallic Bellow			
Weight (approx.) (kg.)	230			700
Standard	IEC61869-2 / IEEE57.13-2008			

Current Transformer for Metering Purpose Type COL

Technical data

Description	COL-12	COL-24	COL-36
Highest system voltage (kV)	12	24	36
Power frequency withstand voltage (r.m.s.) (kV)	20	50	70
Lightning impulse withstand voltage (peak) (kV)	75	125	170
Rated frequency (Hz)	50		
Insulating material	Oil immersed insulation Class A		
Rated primary current (A)	10 -800		
Rated secondary current (A)	1, 5		
Primary terminal marking	P1-P2 , H1-H2		
Secondary terminal marking	s1-s2 , x1-x2		
Number of winding (Winding)	1, 2		
Accuracy class & Burden (Max)	30VA Class 0.5, 50VA Class 1, 60VA Class 3 30VA Class 5P20, 50VA Class 5P10, 60VA Class 10P10		
- Metering			
- Protection			
Rated short-time thermal current I _{th} , r.m.s. (1 sec) (kA)	40 (Max)		
Rated dynamic current I _{dyn} , r.m.s. (1 sec) (kA)	2.5 x I _{th}		
Rated continuous thermal current (%)	120		
Weight (approx.) (kg.)	30		35
Standard	IEC61869-2 / IEEE57.13-2008		