

Specification for 145 - 650/1250A dry capacitive bushings as per specification 240-56062799 Rev 3. The bushings are intended for use in an existing infrastructure and therefore interchangeability is critical

Item	Description	Units	Schedule A	Schedule B
1 Purchasing Details				
1,1	Delivered to		TBA	
1,2	Quantity		TBA	
1,3	Delivery Date		TBA	
2 Operating Environment				
2,1	Altitude	masl	1800	
2,2	Rated ambient temperature range	°C	-10 to 40	
2,3	Yearly Average Ambient	°C	25	
2,4	Seismic requirements	g	0,3	
2,5	Thermal Short-time current(Ith) 2 sec	kA rms	25	
2,6	Dynamic current (Id)	kA peak	63	
3 Technical Data				
3,1	Application	Indoor/Outdoor	Outdoor	
3,2	Condenser Technology	Paperless/RIP/OIP	Paperless/RIP	
3,4	Condenser Housing	Porcelain/Composite	Composite	
3,5	Angle of mounting	degrees	0 to 90	
3,7	Rated voltage	kV	145	
3,8	Rated lightning impulse test	kV	650	
3,9	Rated switching impulse test		N/A	
3,10	Rated AC voltage test	kV	275	
3,11	Rated current	A	1250	
3,12	Maximum Continuous Current	A	XXXXX	
3,13	Conductor type	Flexible draw lead/removable solid conductor/fixed rod	flexible draw lead	
3,14	Length of C.T. space min	mm	300	
3,15	Creepage distance	mm	4495	
3,16	Cantilever load (IEC 60137)	N	2500	
3,17	Flange diameter	mm	290	
3,18	Stem length	mm	125	
3,19	Stem diameter	mm	38	
3,2	Oil Side length	mm	660	
3,21	PCD	mm	250	
3,22	CT ext diameter	mm	160	
3,23	Fixing bolts	no. X hole diameter(#Xmm)	8x16	
3,24	Stress shield material		Aluminium	
3,25	Stress shield coating or covering	Epoxy/Paper	Epoxy	
3,26	Stress shield dimensions		As per drawing	
3,27	Test Point of permanent connection and self grounding with cap off	Yes/No	Yes	
4 Testing Requirements				
4,1	Wet Power Frequency voltage withstand		Type	
4,2	Dry power frequency voltage withstand		Routine	
4,3	Long duration power frequency		Type	
4,4	Dry lightning impulse voltage		Routine	
4,5	Wet switching impulse voltage withstand		N/A	
4,6	Thermal stability test		Type	
4,7	Electromagnetic compatibility test		Type	
4,8	Temperature rise test		Type	
4,9	Thermal short time current withstand		Type	
4,10	Cantilever load withstand		Type	
4,11	Verificaton of dimensions		Routine	
4,12	Tan delta and capacitance at ambient temperature		Routine	
4,13	Partial discharge measurements		Routine	
4,14	Test tap insulation		Routine	