

TYPE

BIL 125-170 kV

Higher mechanical strength possible on customer request!

IEC POST INSULATOR DESIGNATION	C4-125	C6-125	C8-125	C10-125	C12.5-125
Dimensions					
Height H [mm]	305 ± 1	305 ± 1	305 ± 1	305 ± 1	305 ± 1
Max. nom. diameter of insulating part d1 [mm]	170	180	190	190	200
Top fitting p.c.d. d2 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	76/4x M12
Bottom fitting p.c.d. d3 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	76/4x M12
Mechanical Values					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	0.61	0.92	1.22	1.53	1.91
Minimum failing load - Bending moment upright [kNm]	1.22	1.83	2.44	3.05	3.82
Minimum failing load - Torsion [kNm]	0.8	0.8	1.2	1.2	2
Electrical Values					
Lightning impulse withstand voltage, dry [kV peak value]	125	125	125	125	125
Power frequency withstand voltage, wet [kV r.m.s.]	50	50	50	50	50

IEC POST INSULATOR DESIGNATION	C4-150	C6-150	C8-150	C10-150	C12.5-150
Dimensions					
Height H [mm]	355 ± 1	355 ± 1	355 ± 1	355 ± 1	355 ± 1
Max. nom. diameter of insulating part d1 [mm]	175	190	190	195	205
Top fitting p.c.d. d2 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	76/4x M12
Bottom fitting p.c.d. d3 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	76/4x M12
Mechanical Values					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	0.71	1.07	1.42	1.78	2.22
Minimum failing load - Bending moment upright [kNm]	1.42	2.13	2.84	3.55	4.44
Minimum failing load - Torsion [kNm]	1	1.2	1.5	1.8	2.5
Electrical Values					
Lightning impulse withstand voltage, dry [kV peak value]	150	150	150	150	150
Power frequency withstand voltage, wet [kV r.m.s.]	50	50	50	50	50

IEC POST INSULATOR DESIGNATION	C4-170	C6-170	C8-170	C10-170	C12.5-170
Dimensions					
Height H [mm]	445 ± 1	445 ± 1	445 ± 1	445 ± 1	445 ± 1
Max. nom. diameter of insulating part d1 [mm]	180	190	195	205	210
Top fitting p.c.d. d2 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	127/4x M16
Bottom fitting p.c.d. d3 [mm] / hole pattern	76/4x M12	76/4x M12	76/4x M12	76/4x M12	127/4x M16
Mechanical Values					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	0.89	1.34	1.78	2.23	2.79
Minimum failing load - Bending moment upright [kNm]	1.78	2.67	3.56	4.45	5.57
Minimum failing load - Torsion [kNm]	1.2	1.5	2	2.5	3
Electrical Values					
Lightning impulse withstand voltage, dry [kV peak value]	170	170	170	170	170
Power frequency withstand voltage, wet [kV r.m.s.]	70	70	70	70	70

