

TYPE

BIL 200-325 kV

Higher mechanical strength possible on customer request!

IEC POST INSULATOR DESIGNATION	C4-200	C6-200	C8-200	C10-200	C12.5-200
Dimensions					
Height H [mm]	475 ± 1	475 ± 1	475 ± 1	475 ± 1	475 ± 1
Max. nom. diameter of insulating part d1 [mm]	180	190	200	205	215
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]	0.95	1.43	1.9	2.38	2.97
Minimum failing load - Bending moment upright [kNm]	1.9	2.85	3.8	4.75	5.94
Minimum failing load - Torsion [kNm]	1.2	1.8	2	2.5	3
Electrical Values					
Lightning impulse withstand voltage, dry [kV peak value]	200	200	200	200	200
Power frequency withstand voltage, wet [kV r.m.s.]	70	70	70	70	70

IEC POST INSULATOR DESIGNATION	C4-250	C6-250	C8-250	C10-250	C12.5-250
Dimensions					
Height H [mm]	560 ± 1	560 ± 1	560 ± 1	560 ± 1	560 ± 1
Max. nom. diameter of insulating part d1 [mm]	175	185	200	200	200
Top fitting p.c.d. d2 [mm] / hole pattern	76/4x M12 127/4x M16	76/4x M12 127/4x M16	127/4x M16	127/4x M16	127/4x M16
Bottom fitting p.c.d. d3 [mm] / hole pattern	76/4x M12 127/4x M16	76/4x M12 127/4x M16	127/4x M16	127/4x M16	127/4x M16
Mechanical Values					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	1.12	1.68	2.24	2.8	3.5
Minimum failing load - Bending moment upright [kNm]	2.24	3.36	4.48	5.6	7
Minimum failing load - Torsion [kNm]	1.8	2	2.5	3	4
Electrical Values					
Lightning impulse withstand voltage, dry [kV peak value]	250	250	250	250	250
Power frequency withstand voltage, wet [kV r.m.s.]	95	95	95	95	95

IEC POST INSULATOR DESIGNATION	C2-325	C4-325	C6-325	C8-325	C10-325	C12.5-325	C16-325	C20-325
Dimensions								
Height H [mm]	770 ± 1	770 ± 1	770 ± 1	770 ± 1	770 ± 1	770 ± 1	770 ± 1	770 ± 1
Max. nom. diameter of insulating part d1 [mm]	165	185	195	205	210	220	230	240
Top fitting p.c.d. d2 [mm] / hole pattern	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16
Bottom fitting p.c.d. d3 [mm] / hole pattern	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16	127/4x M16	225/4x18	254/8x18
Mechanical Values								
Minimum failing load - Bending [kN]	2	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	0.77	1.54	2.31	3.08	3.85	4.82	6.16	7.7
Minimum failing load - Bending moment upright [kNm]	1.54	3.08	4.62	6.16	7.7	9.63	12.32	15.4
Minimum failing load - Torsion [kNm]	1.2	2	2.5	3	4	4	5	6
Electrical Values								
Lightning impulse withstand voltage, dry [kV peak value]	325	325	325	325	325	325	325	325
Power frequency withstand voltage, wet [kV r.m.s.]	140	140	140	140	140	140	140	140

