

TYPE

BIL 750-950 kV

Higher mechanical strength possible on customer request!

IEC POST INSULATOR DESIGNATION	C2-750	C4-750	C6-750	C8-750	C10-750	C12.5-750	C16-750	C20-750
Dimensions								
Height H [mm]	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5	1700 ± 2.5
Max. nom. diameter of insulating part d1 [mm]	225	225	245	255	265	280	290	305
Top fitting p.c.d. d2 [mm] / hole pattern	127/4x M16	127/4x M16	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 254/4x18	127/4x M16 254/4x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	127/4x M16 178/4x18	127/4x M16 200/4x18	127/4x M16 200/4x18	127/4x M16 225/4x18	254/8x18	254/8x18	275/8x18	300/8x18

Mechanical Values

Minimum failing load - Bending [kN]	2	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	0.68	1.36	2.04	2.72	3.4	4.25	5.44	6.8
Minimum failing load - Bending moment upright [kNm]	3.4	6.8	10.2	13.6	17	21.25	27.2	34
Minimum failing load - Torsion [kNm]	2	3	3	4	4	6	6	6

Electrical Values

Lightning impulse withstand voltage, dry [kV peak value]	750	750	750	750	750	750	750	750
Power frequency withstand voltage, wet [kV r.m.s.]	325	325	325	325	325	325	325	325

IEC POST INSULATOR DESIGNATION	C4-850	C6-850	C8-850	C10-850	C12.5-850	C16-850	C20-850
Dimensions							
Height H [mm]	1900 ± 3.5	1900 ± 3.5	1900 ± 3.5	1900 ± 3.5	1900 ± 3.5	1900 ± 3.5	1900 ± 3.5
Max. nom. diameter of insulating part d1 [mm]	230	245	260	270	280	295	310
Top fitting p.c.d. d2 [mm] / hole pattern	127/4x M16	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	200/4x18	225/4x18	254/8x18	254/8x18	254/8x18	275/8x18	300/8x18

Mechanical Values

Minimum failing load - Bending [kN]	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	1.52	2.28	3.04	3.8	4.75	6.08	7.6
Minimum failing load - Bending moment upright [kNm]	7.6	11.4	15.2	19	23.75	30.4	38
Minimum failing load - Torsion [kNm]	3	3	4	4	6	6	6

Electrical Values

Lightning impulse withstand voltage, dry [kV peak value]	850	850	850	850	850	850	850
Power frequency withstand voltage, wet [kV r.m.s.]	360	360	360	360	360	360	360

IEC POST INSULATOR DESIGNATION	C4-950	C6-950	C8-950	C10-950	C12.5-950	C16-950	C20-950
Dimensions							
Height H [mm]	2100 ± 3.5	2100 ± 3.5	2100 ± 3.5	2100 ± 3.5	2100 ± 3.5	2100 ± 3.5	2100 ± 3.5
Max. nom. diameter of insulating part d1 [mm]	225	245	255	270	285	295	310
Top fitting p.c.d. d2 [mm] / hole pattern	127/4x M16	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	200/4x18	225/4x18	254/8x18	254/8x18	275/8x18	300/8x18	325/8x18

Mechanical Values

Minimum failing load - Bending [kN]	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	1.68	2.52	3.36	4.2	5.25	6.72	8.4
Minimum failing load - Bending moment upright [kNm]	8.4	12.6	16.8	21	26.25	33.6	42
Minimum failing load - Torsion [kNm]	3	3	4	4	6	6	6

Electrical Values

Lightning impulse withstand voltage, dry [kV peak value]	950	950	950	950	950	950	950
Switching impulse withstand voltage, wet [kV peak value]	750	750	750	750	750	750	750
Power frequency withstand voltage, wet [kV r.m.s.]	395	395	395	395	395	395	395

