

## TYPE

# BIL 1800-2100 kV

Higher mechanical strength possible on customer request!

IEC POST INSULATOR DESIGNATION	C4-1800	C6-1800	C8-1800	C10-1800	C12.5-1800	C16-1800
<b>Dimensions</b>						
Height H [mm]	4000 ± 5.5	4000 ± 5.5	4000 ± 5.5	4000 ± 5.5	4000 ± 5.5	4000 ± 5.5
Max. nom. diameter of insulating part d1 [mm]	260	280	300	320	320	330
Top fitting p.c.d. d2 [mm] / hole pattern	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	254/4x18	275/8x18	300/8x18	325/8x18	356/8x18	356/8x18
<b>Mechanical Values</b>						
Minimum failing load - Bending [kN]	4	6	8	10	12.5	16
Minimum failing load - Bending moment underhung [kNm]	3.2	4.8	6.4	8	10	12.8
Minimum failing load - Bending moment upright [kNm]	16	24	32	40	50	64
Minimum failing load - Torsion [kNm]	3	3	4	4	6	6
<b>Electrical Values</b>						
Lightning impulse withstand voltage, dry [kV peak value]	1800	1800	1800	1800	1800	1800
Switching impulse withstand voltage, wet [kV peak value]	1175	1175	1175	1175	1175	1175

IEC POST INSULATOR DESIGNATION	C4-1950	C6-1950	C8-1950	C10-1950	C12.5-1950
<b>Dimensions</b>					
Height H [mm]	4400 ± 5.5	4400 ± 5.5	4400 ± 5.5	4400 ± 5.5	4400 ± 5.5
Max. nom. diameter of insulating part d1 [mm]	270	300	310	330	330
Top fitting p.c.d. d2 [mm] / hole pattern	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	254/8x18	275/8x18	300/8x18	325/8x18	356/8x18
<b>Mechanical Values</b>					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	3.52	5.28	7.04	8.8	11
Minimum failing load - Bending moment upright [kNm]	17.6	26.4	35.2	44	55
Minimum failing load - Torsion [kNm]	3	3	4	4	6
<b>Electrical Values</b>					
Lightning impulse withstand voltage, dry [kV peak value]	1950	1950	1950	1950	1950
Switching impulse withstand voltage, wet [kV peak value]	1300	1300	1300	1300	1300

IEC POST INSULATOR DESIGNATION	C4-2100	C6-2100	C8-2100	C10-2100	C12.5-2100
<b>Dimensions</b>					
Height H [mm]	4700 ± 5.5	4700 ± 5.5	4700 ± 5.5	4700 ± 5.5	4700 ± 5.5
Max. nom. diameter of insulating part d1 [mm]	280	300	320	320	330
Top fitting p.c.d. d2 [mm] / hole pattern	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18	225/4x18 254/8x18
Bottom fitting p.c.d. d3 [mm] / hole pattern	254/8x18	275/8x18	300/8x18	325/8x18	356/8x18
<b>Mechanical Values</b>					
Minimum failing load - Bending [kN]	4	6	8	10	12.5
Minimum failing load - Bending moment underhung [kNm]	3.76	5.64	7.52	9.4	11.75
Minimum failing load - Bending moment upright [kNm]	18.8	28.2	37.6	47	58.75
Minimum failing load - Torsion [kNm]	3	3	4	4	6
<b>Electrical Values</b>					
Lightning impulse withstand voltage, dry [kV peak value]	2100	2100	2100	2100	2100
Switching impulse withstand voltage, wet [kV peak value]	1300	1300	1300	1300	1300

Will be offered as two or three unit column

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Will be offered as three unit column

