

## TYPE

# BIL 450-650 kV

Higher mechanical strength possible on customer request!

IEC POST INSULATOR DESIGNATION	C2-450	C4-450	C6-450	C8-450	C10-450	C12.5-450	C16-450	C20-450
<b>Dimensions</b>								
Height H [mm]	1020 ± 1	1020 ± 1	1020 ± 1	1020 ± 1	1020 ± 1	1020 ± 1	1020 ± 1	1020 ± 1
Max. nom. diameter of insulating part d1 [mm]	175	190	205	215	225	230	245	265
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 178/4x18	127/4x M16 178/4x18	127/4x M16 200/4x18	127/4x M16 225/4x18	225/4x18	254/8x18	254/8x18
<b>Mechanical Values</b>								
Minimum failing load - Bending [kN]	2	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	1.02	2.04	3.06	4.08	5.1	6.38	8.16	10.2
Minimum failing load - Bending moment upright [kNm]	2.04	4.08	6.12	8.16	10.2	12.75	16.32	20.4
Minimum failing load - Torsion [kNm]	1.8	2.5	3.5	4	4	6	6	6
<b>Electrical Values</b>								
Lightning impulse withstand voltage, dry [kV peak value]	450	450	450	450	450	450	450	450
Power frequency withstand voltage, wet [kV r.m.s.]	185	185	185	185	185	185	185	185

IEC POST INSULATOR DESIGNATION	C2-550	C4-550	C6-550	C8-550	C10-550	C12.5-550	C16-550	C20-550
<b>Dimensions</b>								
Height H [mm]	1220 ± 1	1220 ± 1	1220 ± 1	1220 ± 1	1220 ± 1	1220 ± 1	1220 ± 1	1220 ± 1
Max. nom. diameter of insulating part d1 [mm]	175	195	210	220	230	240	250	265
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 178/4x18	127/4x M16 200/4x18	127/4x M16 200/4x18	127/4x M16 225/4x18	254/8x18	254/8x18	275/8x18
<b>Mechanical Values</b>								
Minimum failing load - Bending [kN]	2	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	1.22	2.44	3.66	4.88	6.1	7.63	9.76	12.2
Minimum failing load - Bending moment upright [kNm]	2.44	4.88	7.32	9.76	12.2	15.25	19.52	24.4
Minimum failing load - Torsion [kNm]	2	3	4	4	4	6	6	6
<b>Electrical Values</b>								
Lightning impulse withstand voltage, dry [kV peak value]	550	550	550	550	550	550	550	550
Power frequency withstand voltage, wet [kV r.m.s.]	230	230	230	230	230	230	230	230

IEC POST INSULATOR DESIGNATION	C2-650	C4-650	C6-650	C8-650	C10-650	C12.5-650	C16-650	C20-650
<b>Dimensions</b>								
Height H [mm]	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5	1500 ± 2.5
Max. nom. diameter of insulating part d1 [mm]	170	195	210	220	230	240	250	265
Top fitting p.c.d. d2 [mm] / hole pattern	127/4x M16	127/4x M16	127/4x M16	127/4x M16 225/4x18	127/4x M16 225/4x18	127/4x M16 225/4x18	225/4x18	225/4x18
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
<b>Mechanical Values</b>								
Minimum failing load - Bending [kN]	2	4	6	8	10	12.5	16	20
Minimum failing load - Bending moment underhung [kNm]	1.5	3	4.5	6	7.5	9.33	12	15
Minimum failing load - Bending moment upright [kNm]	3	6	9	12	15	18.75	24	30
Minimum failing load - Torsion [kNm]	2	3	3	4	4	6	6	6
<b>Electrical Values</b>								
Lightning impulse withstand voltage, dry [kV peak value]	650	650	650	650	650	650	650	650
Power frequency withstand voltage, wet [kV r.m.s.]	275	275	275	275	275	275	275	275

