PORCELAIN TIE-TOP LINE-POST INSULATOR

General description
» Dielectric insulator assembled on a metallic base. Rigidly fixed to a structure or cross arm by means of a stud.

Characteristics
» Suitable for use at various contamination levels.

Applications
» For use on line posts for insulation, as well as to support and guide voltage lines.

Advantages
» Resistant to flexing and harsh weather conditions.

Applicable standards
» CFE 52000-91
» ANSI C29.7
» IEC 60383-1
» IEC 60720

Abbreviations
» 13=13,8 kV: Rated voltage
» 22=23 kV: Rated voltage
» 33=34,5 kV: Rated voltage
» P: Post mount
» C: Contaminated areas
» D: Atmospheric discharges
» P: Porcelain
» G: Galvanized nodular iron
» 1: Specific creepage distance greater than 20 mm/kV
» 2: Specific creepage distance greater than 25 mm/kV
» 3: Specific creepage distance greater than 31 mm/kV
» 4: Specific creepage distance greater than 31 mm/kV*

Notes
» Creepage protected by distance*

CODE	CAT.	DESCRIPTION	MASTER
203753	P-2025	Porcelain tie-top line post insulator P-2025	3
204701	P-2035	Porcelain tie-top line post insulator P-2035	3
204702	P-2045	Porcelain tie-top line post insulator P-2045	2
204703	P-2115	Porcelain tie-top line post insulator P-2115	3

CODE	CAT.	DESCRIPTION	MASTER
204704	P-2122	Porcelain tie-top line post insulator P-2122	2
204705	P-2130	Porcelain tie-top line post insulator P-2130	1
204706	P-2125	Porcelain tie-top line post insulator P-2125*	2
205216	P-2135	Porcelain tie-top line post insulator P-2135*	2

SPECIFICATIONS		P-2025	P-2035	P-2045	P-2115	P-2122	P-2130	P-2125	P-2135
Brief CFE description		13PDPG1	22PDPG1	33PDPG1	13PCPG3	22PCPG2	33PCPG2	13PCPG4	22PCPG4
Nominal system voltage (kV)		13,8	23	34,5	13,8	23	34,5	13,8	23
Maximum design voltage (kV)		15	27	38	15	27	38	15	27
Flashover voltage at 60 Hz	Dry 1 min. (kV)	70	95	125	70	95	125	70	95
	Wet 10 sec. (kV)	40	65	95	40	65	95	40	65
Lightning-impulse withstand voltage (BIL) (kV)		110	150	200	110	150	200	110	150
Maximum radio interference voltage at 1 MHz (µV)		<100	<100	<200	<100	<100	<200	<100	<100
Transverse rupture strength (kN)		12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
Diameter and length (mm)		127 x 230	142 x 313	160 x 368	160 x 260	174 x 339	197 x 415	163 x 270	182 x 340
Creepage distance (mm)		300	516	760	465	645	950	465*	800*
Approximate net weight (kg)		4,52	8,16	10,87	6,70	9,79	13,87	7,14	11,25