

PBO & PBO-1

Hookstick Operated
Disconnect Switches
600 & 1200 Amp

Reliable and Trouble Free Performers.

The PBO and PBO-1, single pole, hookstick operated disconnect switches have been proven outstanding and trouble-free performers in installations throughout the country. They are designed for use in the utility and industrial markets where reliability is critical. All models meet or exceed ANSI standards for this type of equipment.

FEATURES

- Safe, low effort opening and closing
- Trussed blade allows it to be closed from angles to either side
- PBO is designed to NEMA 30° temperature rise standards
- PBO-1 is designed to ANSI temperature rise standards
- “V” mounting configurations available

SPECIFICATIONS

Maximum Voltage Ratings

8.25 kV – 170 kV

Continuous Current Rating

600 A & 1200 A

Short Time Current (3 Sec)

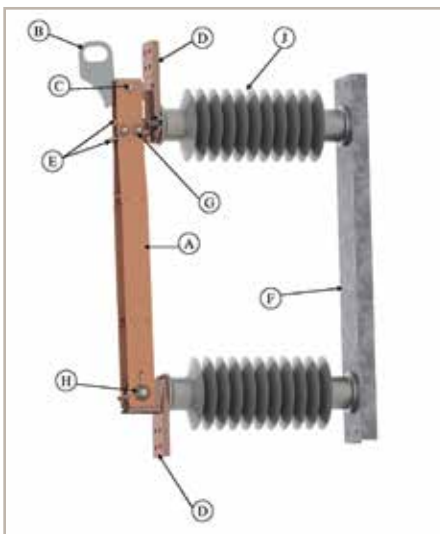
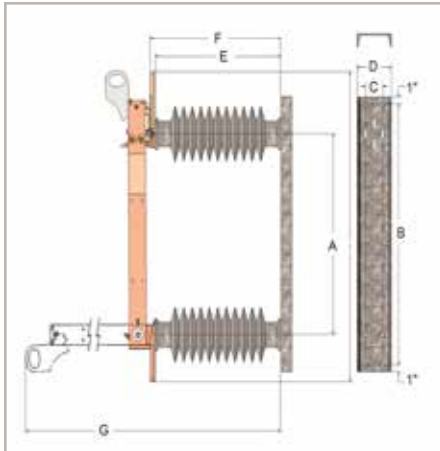
25 kA & 38 kA

Peak Withstand Current

65 kA & 99 kA

PBO & PBO-1

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600 & 1200 Amp



RATINGS (PBO)

Maximum Voltage Rating (kV)	8.3	15.5	27	38	48.3	72.5	123	145	170
Amp	600 or 1200								
Short Time/Peak	25 kA, 3 sec / 65 kA for 600A & 38 kA, 3 sec / 99 kA for 1200A								
Temp Rise	NEMA 30°								

RATINGS (PBO-1)

Maximum Voltage Rating (kV)	8.3	15.5	27	38	48.3
Amp	1200				
Short Time/Peak	38 kA, 3 sec / 99 kA				
Temp Rise	ANSI				

DIMENSIONS

Max Voltage	DIMENSIONS								WT.			
	A in (mm)	B in (mm)	C in (mm)	D in (mm)	E in (mm)	F in (mm)	G in (mm)	600 A Lb. (kg)	1200 A Lb. (kg)			
	600 & 1200 A			600 A	1200 A	600/1200 A	600 A	1200 A	600 A	1200 A		
8.3 kV	12 (304.8)	18 (47.2)	2 (50.8)	4 (101.6)	5 (127)	7½ (190.5)	8 (203.2)	8½ (215.9)	26¼ (666.8)	30¾ (784.2)	51 (23.1)	59 (29)
15.5 kV	15 (381)	21 (533.4)	2 (50.8)	4 (101.6)	5 (127)	10 (254)	10½ (266.7)	10½ (269.9)	31¾ (806.5)	36¾ (923.9)	62 (28.1)	70 (34)
27 kV	18 (457.2)	24 (609.6)	2 (50.8)	4 (101.6)	5 (127)	14 (355.6)	14½ (368.3)	14½ (371.5)	38¾ (984.3)	43¾ (1101.7)	87 (39.5)	96 (45.8)
38 kV	24 (609.6)	30 (762)	2 (50.8)	5 (127)	5 (127)	18 (457.2)	18½ (469.9)	18½ (473.1)	48¾ (1238.3)	53¾ (1355.7)	112 (50.8)	123 (59)
48.3 kV	30 (762)	39 (990.6)	3 (50.8)	5 (127)	5 (127)	22 (558.8)	22½ (571.5)	22½ (574.7)	58¾ (1492.3)	63¾ (1609.7)	155 (70.3)	173 (78.5)
72.5 kV	42 (1066.8)	51 (1295.4)	3 (50.8)	6 (152.4)	6 (152.4)	30 (762)	30½ (774.7)	30½ (777.9)	78¾ (2000.3)	83¾ (2117.7)	266 (120.6)	271 (122.9)
123 kV	60 (1524)	66 (1676.4)	8¼ (50.8)	6 (152.4)	6 (152.4)	45 (1143)	47¾ (1203.3)	47¾ (1209.7)	116¾ (2952.8)	118¾ (3006.7)	546 (247.6)	568 (257.6)
145 kV	72 (1828.8)	78 (1981.2)	8¼ (50.8)	6 (152.4)	6 (152.4)	54 (1371.6)	56¾ (1431.9)	56¾ (1438.3)	137¾ (3486.2)	139¾ (3537)	645 (292.5)	667 (302.5)
170 kV	84 (2133.6)	90 (2286)	8¼ (50.8)	6 (152.4)	6 (152.4)	62 (1574.8)	64¾ (1635.1)	64¾ (1641.5)	157¾ (3994.2)	159¾ (4057.7)	727 (329.7)	750 (340.1)

CONSTRUCTION

- A – Switch blade is hard drawn copper
- B – Operating eye: stainless steel
- C – Latch: cast bronze
- D – Hinge and Jaw: one piece, solid cast bronze, tinned if specified
- E – Jaw contacts: silver to copper. Hinge contacts: silver to copper (silver to silver optional)
- F – Hot dip galvanized, steel channel base
- G – Jaw contact pressure and operating eye springs: stainless steel
- H – Bronze, heavy duty Belleville spring washers supply hinge contact pressure
- J – NEMA standard post insulators, or as specified

Note: Blade opening can be specified at 90°, 135° or 180° upon request