

HV Switchgear Bushings

PIBK & PCYBK Series - to 150kV BIL

Indoor, Flangeless Bushings with Provision for CT Mounting, to 3000A



PIBKD-38A

Application:

- air to air for switchgear and power apparatus
- provision for 600V current transformer mounting
- CTs may be separately mounted, with bushing supported by connecting bus
- voltage ratings 15kV through 38kv
- current ratings to 2000A (3000A option on some styles)
- PIBK bushings for indoor use in lightly polluted environments
- PCYBK bushings for indoor use in high condensation or heavily polluted areas
- rated -5°C to 120°C

Construction:

- capacitance graded condenser type bushings
- internal ground shields for control of electric field distribution
- PIBK bushings have a red Bisphenol-A epoxy insulating body
- PCYBK bushings have a grey Cycloaliphatic epoxy insulating body
- electrolytic copper: 2 hole, 4 hole NEMA spades or threaded studs
- silver plated conductors
- designed and tested to meet ANSI and CSA Switchgear Assemblies Standards, with IEC 137 as technical guide

Options:

- various shield lengths for CT mounting
- special copper terminations
- 90 degree elbow style

Standard Bushings

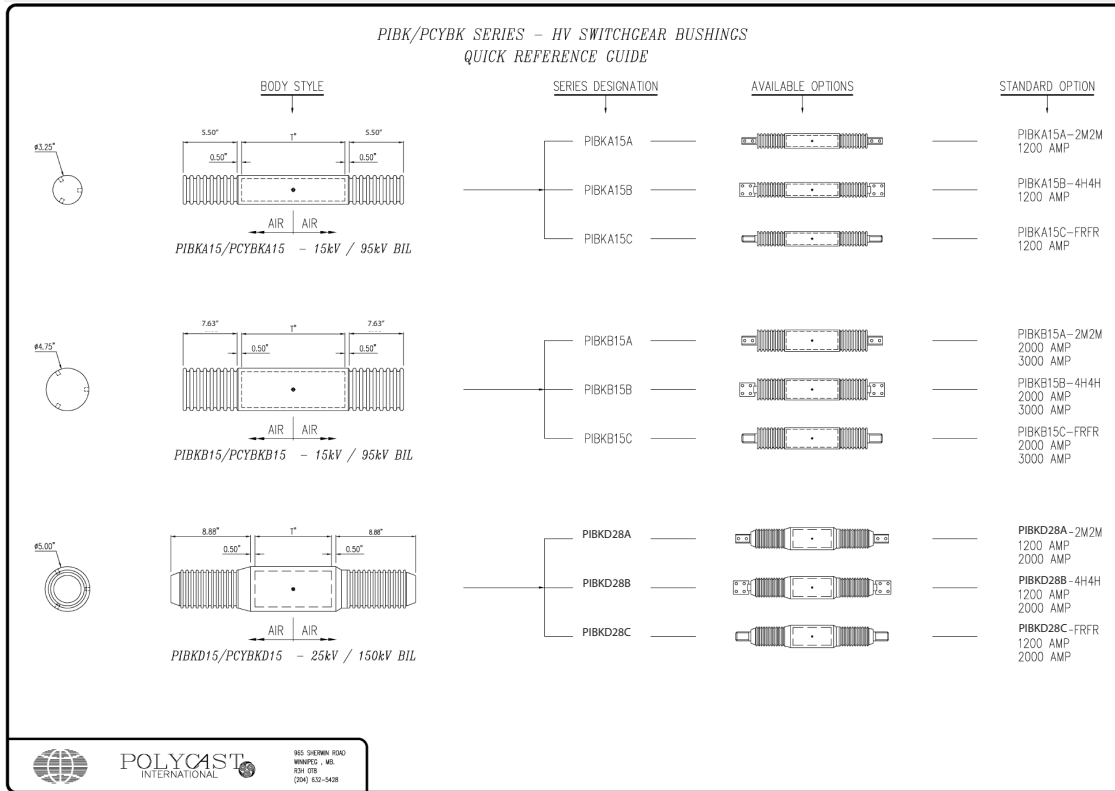
| Catalog Reference | Body Material | BIL (kV) | Body Detail | Current Ratings Conductor Features | See Page No. |
|-------------------|-----------------------------|----------|---|---|--------------|
| PIBK* Series | Red Epoxy (Bisphenol-A) | 95-150 | Multiple length options, depending upon CT mounting length required. Body Sizes * = A (3.25"), B (4.75"), D (5.00") available | 4 hole NEMA Spade Silver Plated Copper 1200A | 173b |
| PCYBK* Series | Grey Epoxy (Cycloaliphatic) | | | 4 hole NEMA Spade Silver Plated Copper 1200A, 2000A and 3000A | |
| | | | | 2 Hole NEMA Milled Flats Silver Plated Copper 1200A and 2000A | |

Outline details of these items including other options are on following pages.
Please order by Style Number.

HV Switchgear Bushings

PIBK Flangeless Series - Outline Details

Indoor, to 150kV BIL



Style Numbers: PIBK Flangeless Series to 150 kV

| PIBK Red Epoxy, Silver Plated Copper Connector | | | | | | | |
|--|--------|----------------|-----------|-----------|------------------------|-----------------|------------|
| Catalog Reference | BIL kV | Current Rating | Body Dia. | Stud Dia. | Style Number | Connector Style | 'T' Length |
| PIBK-A15B | 95 | 1200A | 3.25" | 1.5" | 173-004-31 | 4 hole spade | 11.5" |
| PIBK-B15B | 95 | 1200A | 4.75" | 1.5" | Available upon request | 4 hole spade | 11.5" |
| | | 2000A | | 2.0" | 173-060E-31 | 4 hole spade | 11.5" |
| | | 3000A | | 2.5" | 173-061E-31 | 4 hole spade | 11.5" |
| PIBK-D28A | 150 | 1200A | 5.00" | 1.5" | 173-020-31 | 2 hole milled | 8.5" |
| | | 2000A | | 2.0" | 173-021-31 | 2 hole milled | 14.0" |
| | | 2000A | | 2.0" | 173-020-32 | 2 hole milled | 8.5" |
| | | 2000A | | 2.0" | 173-021-32 | 2 hole milled | 14.0" |

Notes:

- **Outdoor Bushings Available** – bushing styles listed above are available in Grey Cycloaliphatic Epoxy for outdoor use (PCYBK series). Contact Polycast for further information.
- Bushings manufactured from Cycloaliphatic Epoxy are also recommended for environments exposed to a high degree of ultra violet light, condensation, or which are heavily polluted. Contact Polycast for further information.
- Other 'T' lengths and conductor options available on request.