

HV Switchgear Bushings

PIBC / PCYBC Series - Indoor to 3000A
 Square Flange, 4 Hole Mounting, 60kV and 95kV BIL



PIBC05A
 Special Copper



PIBC15A
 Threaded Rod



PIBCX15A
 Spade End Option

Application:

- Air to air for switchgear and power apparatus
- Voltage ratings 5kV and 15kV
- Current ratings to 3000A
- PIBC bushings for indoor applications (not exposed to UV radiation) in lightly polluted environments
- PCYBC bushings for use in high condensation or heavily polluted environments
- rated -5°C to 120°C

Construction:

- 15kV units are capacitance graded condenser type bushings with internal ground shield for control of electric field distribution
- PIBC- bushings have a red Bisphenol-A epoxy insulating body
- PCYBC bushings have a grey Cycloaliphatic epoxy insulating body
- four brass mounting inserts
- silver plated electrolytic copper conductors
- designed and tested to meet ANSI and CSA Switchgear Assemblies Standards, with IEC 137 as technical guide

Options:

- various below flange lengths for CT mounting on some models
- special copper terminations and conductor sizes
- for gaskets see **Accessories - Section 7, Page 194a**

Standard Bushings

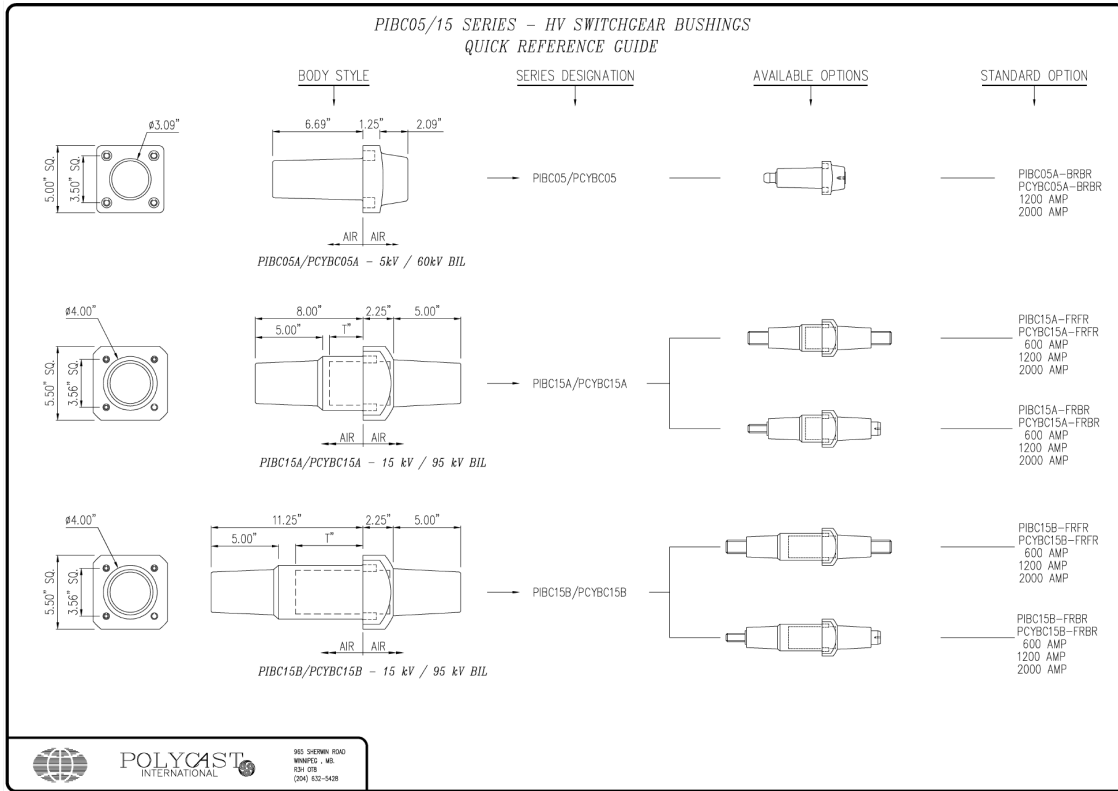
Catlog Reference	Body Material	BIL (kV)	Body Detail	Current Ratings Conductor	See Page No.
PIBC05A	Red Epoxy (Bisphenol-A)	60	Flange 5.00" Dia	1200A to 2000A Silver Plated Copper	170-2b
PCYBC05A	Grey Epoxy (Cycloaliphatic)		Below Flange 3.09" Dia Mounting Pattern 3.50" BCD		
PIBC15A	Red Epoxy (Bisphenol-A)	95	Flange 5.50" Dia	600A to 2000A Silver Plated Copper	170-2c
PCYBC15A	Grey Epoxy (Cycloaliphatic)		Below Flange 4.00" Dia Mounting Pattern 5.00" BCD		
PIBCX15A	Red Epoxy (Bisphenol-A)	95	Flange 6.00" Dia	2000A to 3000A Silver Plated Copper	170-2d
PCYBCX15A	Grey Epoxy (Cycloaliphatic)		Below Flange 4.25" Dia Mounting Pattern 4.38" BCD		

**Outline details of these items, including other options, are on following pages.
 Please order by style number.**

HV Switchgear Bushings

PIBC & PCYBC Series - Outline Details

Indoor, 60kV to 95kV BIL



Style Numbers: PIBC & PCYBC Four Hole Mounting - Square Flange

Current Rating	Stud Diameter	Red Epoxy	Grey Cycloaliphatic Epoxy
		PIBC05A / 60kV BIL	PCYBC05A / 60kV BIL
1200A	1.5"	126-003-31	127-003-21
2000A	2.0"	126-003-32	127-003-22

Red Epoxy, Silver Plated Copper			
Current Rating	Stud Diameter	PIBC15A 95kV BIL 'T' = 2.5"	PIBC15B 95kV BIL 'T' = 5.0"
600A	0.75"	170-603-31	170-633-31
1200A	1.5"	170-603-32	170-633-32
2000A	2.0"	170-603-33	170-633-33

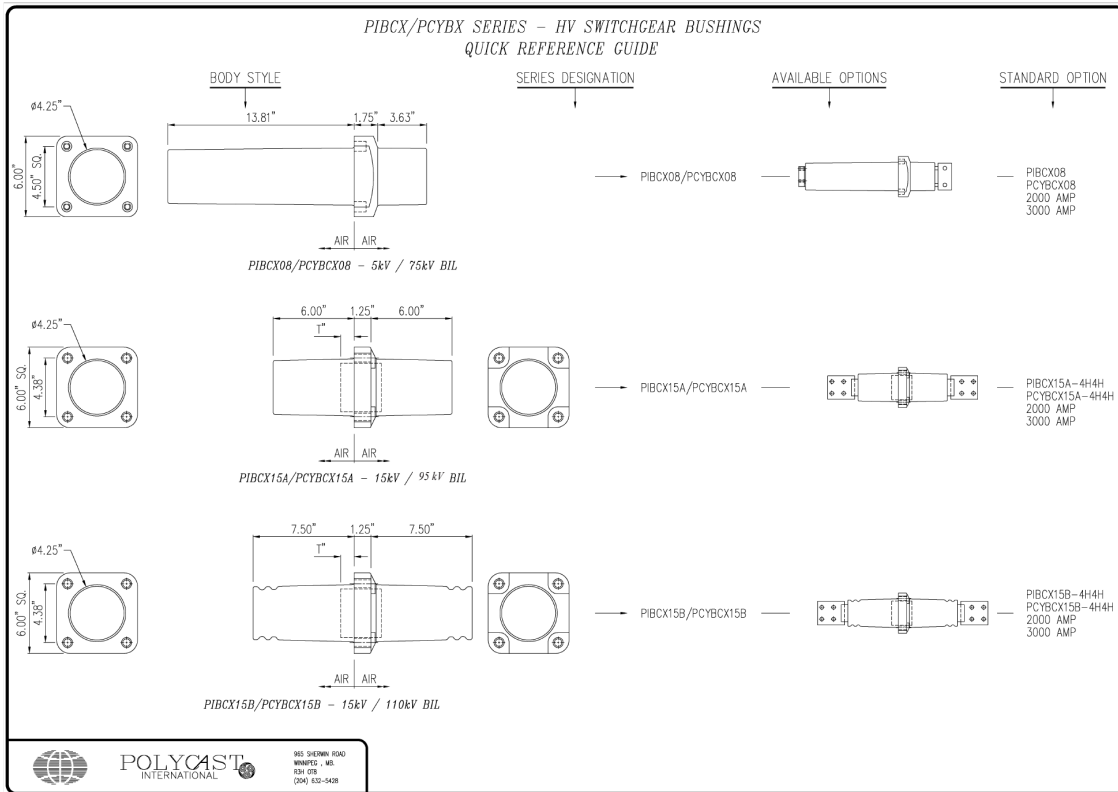
Notes:

- **Cycloaliphatic Bushings Available** – bushings manufactured from cycloaliphatic epoxy (PCYBC Series) are suitable for environments exposed to ultra violet light, or increased levels of condensation or pollution. Contact Polycast for further information.

HV Switchgear Bushings

PIBCX & PCYBCX Series - Outline Details

Indoor, 75kV to 110kV BIL



Style Numbers: PIBCX Series Four Hole Mounting - Square Flange

Current Rating	Stud Diameter	PIBCX08A 75kV BIL 'T' = 1.0"	PIBCX15A 95kV BIL 'T' = 2.0"	PIBCX15B 110kV BIL 'T' = 1.0"
2000A	2.0"	170-701-31	170-703-31	170-706E-01
3000A	2.5"	170-701-32	170-703-32	170-707E-01

Notes:

- Cycloaliphatic Bushings Available** – bushings manufactured from cycloaliphatic epoxy (PCYBC Series) are suitable for environments exposed to ultra violet light, or increased levels of condensation or pollution. Contact Polycast for further information.