

|      |                   |            |
|------|-------------------|------------|
| 35kV | 200A Bushing Well | L1601PC-S1 |
|------|-------------------|------------|



## Features:

- 35kV, 200 Amp
- Conductive shield made of molded conductive EPDM makes positive ground contact with EPDM flange of bushing insert
- Stainless steel flange resists corrosion and can be externally clamped or welded to apparatus
- Epoxy structure with exceptionally high physical, electrical, and chemical resistance properties
- Interface meets ANSI/IEEE 386 dimensional criteria for proper fit of mating parts
- Equipped with copper conductor rod

## L1601PC-S1

### BUSHING WELL (For in-oil and SF6 application)

#### Applications:

Elastimold L1601-PC-S1 series bushing wells are designed for in-oil & SF6, and will universally accept Elastimold non-loadbreak bushing inserts, loadbreak bushing inserts, and feed-thru inserts. These are designed to be directly mounted in electrical apparatus on 200-Amp systems, through 35kV.

Typical applications would be in:

- Pad-mounted transformers
- Vault-type transformers
- Submersible transformers
- Switchgear

These bushing wells are available in shank lengths varying from 2.75" to 9.25" for either cover or side-mount installations. They are molded of epoxy and have a stainless steel flange for welding or externally clamping to the apparatus. A conductive rubber shield at the mating surface with connecting devices provides a fully-shielded, cable-to-apparatus connection. Reference Applicable Elastimold welding guide.

The bushing well is also available in removable stud well design "-R".

#### Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

#### For 35kV Voltage Class:

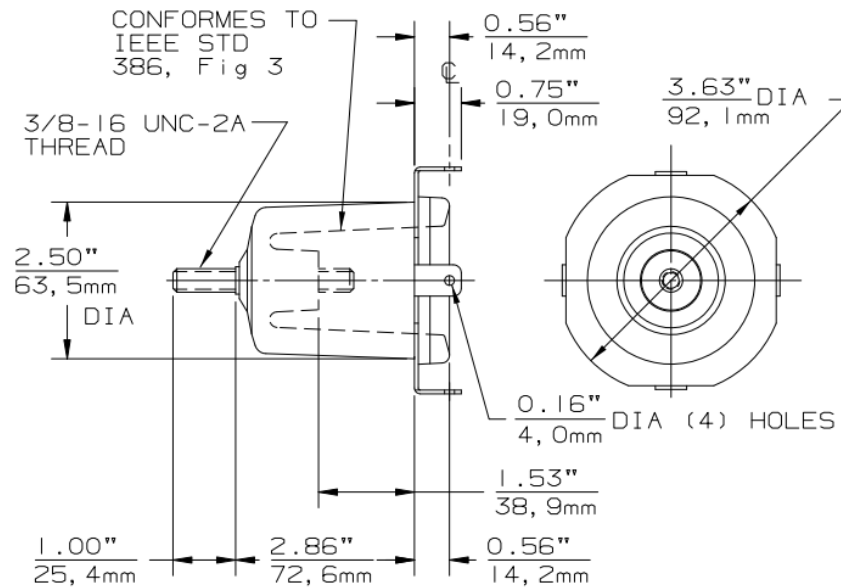
21.1kV Max Phase-to-Ground – Operating Voltage  
 36.6kV Max Phase-to-Phase  
 150kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)  
 50kV AC – One minute withstand  
 103kV DC – 15 minutes withstand  
 26kV AC – Corona Extinction @ 3pC sensitivity  
 600 Amps – Continuous  
 25kA Sym – 10 Cycles Momentary

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## Ordering Instructions

To order a bushing well for in-oil application through 35kV, select the shank length ("A" dimension) required and specify the style number shown below:

| STYLE NUMBER | "A" SHANK LENGTH |
|--------------|------------------|
| L1601PC-S1   | 2.75"            |
| L1601PC-S1-R | 2.75"            |

### Example:

The ordering number for a 35 kV bushing well in-oil with a shank length of 2.75" and permanent stud is L1601PC-S1.

### Note:

The bushing well is also available in removable stud well design, please add the suffix, "-R".

### Each kit contains the following:

|   |                    |            |
|---|--------------------|------------|
| 1 | Epoxy Flanged Well | L1601PC-S1 |
| 1 | Silicone Lubricant | 82-08      |
| 1 | Instruction Sheet  | IS-0061    |