

# FICHA TECNICA

## 3870-TB

Archivo 150 de 170

### IDENTIFICACION VERIFICADA

|                       |                                          |
|-----------------------|------------------------------------------|
| CODIGO SOLICITADO     | 3870-TB                                  |
| FABRICANTE TECNICO    | ABB Installation Products / T&B Fittings |
| FAMILIA               | Conduit grounding bushing                |
| REFERENCIA LOCALIZADA | 3870-TB                                  |

### FUENTE DOCUMENTAL

|                      |                                                                                                                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOCUMENTO OFICIAL    | ABB - T&B Fittings Industrial Fittings Catalog                                                                                                                                                                                                            |
| PAGINA(S) ANEXADA(S) | 17                                                                                                                                                                                                                                                        |
| ENLACE DE ORIGEN     | <a href="https://tnb.ca.abb.com/en/pdf-catalogues/fittings-and-conduit-systems/industrial-fittings/b-industrial-fittings-e.pdf">https://tnb.ca.abb.com/en/pdf-catalogues/fittings-and-conduit-systems/industrial-fittings/b-industrial-fittings-e.pdf</a> |

### ALCANCE DEL ARCHIVO

La(s) pagina(s) siguiente(s) provienen de la documentacion tecnica indicada y contienen la tabla, dimensiones, materiales, certificaciones o notas de aplicacion asociadas al codigo. Esta portada individual permite identificar el producto y mantener el nombre exacto requerido para la carga masiva.

## Rigid and intermediate metal conduit fittings

### Threaded insulated grounding bushings



#### Application

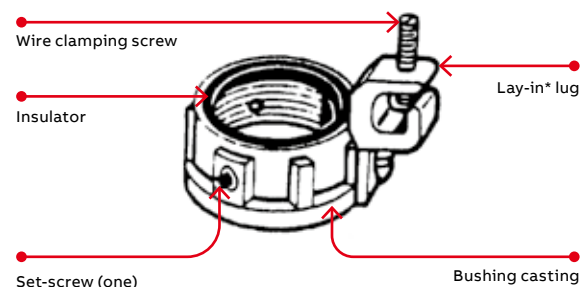
- For quick installation of bonding jumper to multiple metal conduit (rigid and IMC)
- Designed to bush conductors and prevent insulation damage

#### Features

- Ease of installation, lay-in lug design
- Cast malleable iron body designed to lock insulator in place within body, reducing common assembly problem resulting in dislodging of insulator
- Insulator rated for 150 °C/302 °F application

#### Standard material / finish

- Body: Electro-zinc plated
- Lay-in lug: Aluminum/tin-plated
- Insulator: Thermoplastic 150 °C/302 °F
- Application with 94V-0 flammability



| Cat. no. | Conduit size (in.) | Bushing dia. (in.) | Throat dia. (in.) | Lug length (in.) | Swing radius (in.) | Bushing height (in.) | Wire range AWG Cu/Al |
|----------|--------------------|--------------------|-------------------|------------------|--------------------|----------------------|----------------------|
| 3870-TB  | ½                  | 1.125              | 0.560             | 1.310            | 1.212              | 0.657                | 14-4                 |
| 3861     | ½                  | 1.125              | 0.560             | 1.675            | 1.402              | 0.657                | 8-2/0                |
| 3871-TB  | ¾                  | 1.420              | 0.742             | 1.310            | 1.360              | 0.660                | 14-4                 |
| 3862     | ¾                  | 1.420              | 0.742             | 1.675            | 1.550              | 0.660                | 8-2/0                |
| 3872     | 1                  | 1.770              | 0.944             | 1.310            | 1.535              | 0.735                | 14-4                 |
| 3882     | 1                  | 1.770              | 0.944             | 1.675            | 1.725              | 0.735                | 8-2/0                |
| 3873     | 1¼                 | 2.190              | 1.242             | 1.310            | 1.745              | 0.735                | 14-4                 |
| 3883     | 1¼                 | 2.190              | 1.242             | 1.675            | 1.935              | 0.735                | 8-2/0                |
| 3874     | 1½                 | 2.468              | 1.449             | 1.310            | 1.884              | 0.770                | 14-4                 |
| 3884     | 1½                 | 2.468              | 1.449             | 1.675            | 2.074              | 0.770                | 8-2/0                |
| 3875     | 2                  | 3.031              | 1.860             | 1.310            | 2.165              | 0.770                | 14-4                 |
| 3889     | 2                  | 3.031              | 1.860             | 1.675            | 2.355              | 0.770                | 8-2/0                |
| 3876     | 2½                 | 3.516              | 2.222             | 1.310            | 2.408              | 0.940                | 14-4                 |
| 3886     | 2½                 | 3.516              | 2.222             | 1.675            | 2.598              | 0.940                | 8-2/0                |
| 3993     | 2½                 | 3.516              | 2.222             | 2.230            | 2.928              | 0.940                | 6-4/0                |
| 3877-TB  | 3                  | 4.234              | 2.761             | 1.310            | 2.767              | 0.975                | 14-4                 |
| 3887-TB  | 3                  | 4.234              | 2.761             | 1.675            | 2.957              | 0.975                | 8-2/0                |
| 3994     | 3                  | 4.234              | 2.761             | 2.230            | 3.287              | 0.975                | 6-4/0                |
| 3878     | 3½                 | 4.781              | 3.193             | 1.310            | 3.040              | 0.975                | 14-4                 |
| 3863     | 3½                 | 4.781              | 3.193             | 1.675            | 3.230              | 0.975                | 8-2/0                |
| 3995     | 3½                 | 4.781              | 3.193             | 2.230            | 3.560              | 0.975                | 6-4/0                |
| 3879     | 4                  | 5.328              | 3.623             | 1.310            | 3.314              | 0.980                | 14-4                 |
| 3864     | 4                  | 5.328              | 3.623             | 1.675            | 3.504              | 0.980                | 8-2/0                |
| 3996     | 4                  | 5.328              | 3.623             | 2.230            | 3.834              | 0.980                | 6-4/0                |
| 3880     | 5                  | 6.328              | 4.542             | 1.310            | 3.814              | 0.985                | 14-4                 |
| 3865     | 5                  | 6.328              | 4.542             | 1.675            | 4.000              | 0.985                | 8-2/0                |
| 3998     | 5                  | 6.328              | 4.542             | 2.230            | 4.334              | 0.985                | 6-4/0                |
| 3881     | 6                  | 7.406              | 5.458             | 1.310            | 4.353              | 1.200                | 14-4                 |
| 3866     | 6                  | 7.406              | 5.458             | 1.675            | 4.543              | 1.200                | 8-2/0                |
| 3999     | 6                  | 7.406              | 5.458             | 2.230            | 4.875              | 1.200                | 6-4/0                |

Temperature rating 150 °C

\*Contact your regional sales office for copper lay-in lug