



## BISG-100/400 AND 100/600

### BUS INSULATOR ANIMAL GUARD

#### KEY FEATURES

- An isolation device that works on various insulator types used in substation, transmission, and distribution applications
- Non-tracking
- UV-resistant polymeric ensures long-term performance even in the most extreme environmental conditions
- Fast and easy to install, with a bolted design
- Provides a tight and secure fit to the insulator and bushing
- Design eliminates loosening or drooping caused by wind, snow, ice, or animals
- REACH and RoHS compliant

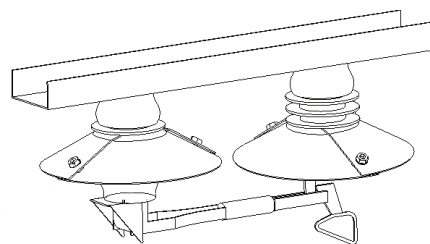
TE Connectivity's (TE) Raychem BISG isolating devices have been successfully eliminating outages from squirrels, raccoons, opossums, cats, and other animals in substations for years. The BISG guard is designed with a solid material pattern and steep angle to provide protection on various bushing and insulator applications, with additional guano/pollution protection. This steep design aids in the self-cleaning and run-off of pollutants, prevents birds and animals from perching while maintaining accessibility. Same high-performance material: the rugged non-tracking, UV-resistant polymer ensures long-term performance even in the most extreme environmental conditions.

The BISG-100/400 and 100/600 guard allows easy installation with a bolted design that positively and tightly secures the device onto the insulator or bushing, eliminating loosening or drooping caused by wind, snow, ice, or animals.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

## BISG-100/400 and 100/600

TE's Wildlife and Asset Protection products and systems of tubes, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.



| PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM) |               |                        | ORDERING INFORMATION |               |
|----------------------------------------------------------|---------------|------------------------|----------------------|---------------|
| Description                                              | Shed Diameter | Fits Core Diameter     | Description          | Standard Pack |
| BISG-100/400                                             | 16 (400)      | 1.50 - 4.50 (38 - 115) | BISG-100/400 (B3)    | 3             |
| BISG-G-100/400                                           | 16 (400)      | 1.50 - 4.50 (38 - 115) | BISG-G-100/400 (B3)  | 3             |
| BISG-100/600                                             | 24 (600)      | 1.50 - 4.50 (38 - 115) | BISG-100/600 (B3)    | 3             |
| BISG-G-100/600                                           | 24 (600)      | 1.50 - 4.50 (38 - 115) | BISG-G-100/600 (B3)  | 3             |

The BISG-100/400 can be trimmed up to 4.75 (120) if a larger core diameter is needed.  
The BISG-100/600 can be trimmed up to 6.25 (158).

| PRODUCT PERFORMANCE     |                                                                         |                                                                                                                                                                                          |                       |       |
|-------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------|
| Test                    |                                                                         |                                                                                                                                                                                          |                       |       |
| Wind Tunnel             | 70 MPH for 10 min., No dislodging of BISG guard from insulator location |                                                                                                                                                                                          |                       |       |
| Physical                |                                                                         |                                                                                                                                                                                          |                       |       |
| Key Material Properties | Test Method                                                             | Required                                                                                                                                                                                 |                       |       |
| Tensile Strength        | ASTM D2628                                                              | 17 MPa min., 2450 psi min                                                                                                                                                                |                       |       |
| Ultimate Elongation     | ASTM D2638                                                              | 25% min                                                                                                                                                                                  |                       |       |
| Electrical              |                                                                         |                                                                                                                                                                                          |                       |       |
| Tracking and Erosion    | ASTM 2303 resistance                                                    | No tracking, erosion to top surface or flame.<br>Stop voltage method failure after<br>1 hr. at 2.5 kV<br>1 hr. at 2.75 kV<br>1 hr. at 3.0 kV<br>Initiate at 2.5 kV and 20 min at 3.25 kV |                       |       |
| Selection               |                                                                         |                                                                                                                                                                                          |                       |       |
| Description             | Insulator Core, Diameter Range                                          | Overall Product Diameter*                                                                                                                                                                | Application           | Color |
| BISG-100/400 (B3)       | 1.50-4.50" (38 - 115 mm)                                                | 16" (400 mm)                                                                                                                                                                             | Standard installation | Red   |
| BISG-G-100-400 (B3)     | 1.5" - 4.50" (62 mm - 125 mm)                                           | 16" (400 mm)                                                                                                                                                                             | Standard installation | Gray  |
| BISG-100/600 (B3)       | 1.50" - 4.50" (38 - 115 mm)                                             | 24" (600 mm)                                                                                                                                                                             | Standard Installation | Red   |
| BISG-G-100/600 (B3)     | 1.50" - 4.50" (38 - 115 mm)                                             | 24" (600 mm)                                                                                                                                                                             | Standard Installation | Gray  |

| TECHNICAL REPORT |                                                                                             | INSTALLATION INSTRUCTIONS  |                                                             |
|------------------|---------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|
| EDR-5311         | Rigid red barrier board (RRBB)<br>Product qualification report<br>BISG material test report | EPP-3148-0618<br>PII-70271 | Installation instructions for<br>BISG-100/400, BISG-100/600 |

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