

BUS INSULATOR ANIMAL GUARD (BISG-60)

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Easy to install on bus and switch insulators
- Bolted design for excellent mechanical hold and wind resistance
- Excellent insulator or prevention against phaseto-ground flashovers
- Fits insulation core diameters ranging from 1" (25 mm) through 4.5" (115 mm)
- Rugged, non-tracking, UV-resistant polymer

TE Connectivity's (TE) Raychem BISG improved isolation guard prevents animal-caused outages in electrical substation equipment.

BISG discs have been successfully eliminating outages from squirrels, raccoons, opossums, cats, and other animals in substations for years. The BISG guard has been designed to provide the same great protection with added features. Its "invisible" design allows easier visibility of switch blades and other equipment components through the guard. This new design allows for easy field modifications and can be reduced by trimming along the grill ribs for tight phase-to-phase insulator applications.

The BISG guard allows easier hot-stick installation by incorporating a threaded area in the guard. The integrated threads eliminate the need to hold a nut while installing the bolt assembly with a hot-stick. The bolted design positively and tightly secures the device onto the insulator or bushing, preventing 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.









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.



PR	ODUCT PERFORMANCE			
TEST	Power Arc Test Current Ice Flashover/Contamination Impulse/ BIL AC Dry Withstand on Disconnecting Switch Wind Tunnel	14.4 kV RMS, No evidence of burns or flames 10 kA RMS 10 cycles Insulator with BISG guard must demonstrate a flashover value within 90% of control Does not significantly alter electrical characteristic of insulator 15 kV minimum 70 MPH for 10 min., No dislodging of BISG guard from insulator location		
PHYSICAL	Key Material Properties Tensile Strength Ultimate Elongation	Test Method ASTM D2628 ASTM D2638	Required 17 MPa min., 24 25% min.	50 psi min.
ELECTRICAL	Tracking and Erosion	ASTM 2303 Resistance	or flame. Stop Voltage M 1 hr. at 2.5 kV 1 hr. at 2.75 kV 1 hr. at 3.0 kV	ethod Failure after / and 20 min at 3.25 kV
SELECTION	Description BISG-60/115-02-(S10) BISG-60/115-03-HOT(B10) BISG-G-60/115-02(S10) BISG-G-60/115-03-HOT-B10	Insulator Core Diameter Range 1.0" - 4.5" (25 - 115 mm)		Application Std. Pack

TECHNICAL REPORT

EDR-5310 Bus Insulator Squirrel Guard
(BISG-60/115-02-FT)
Mechanical/Electrical Evaluation

te.com/wap

@ 2018 TE Connectivity. All Rights Reserved. EPP-2605-DDS-7/18-EN-AMS-BISG-Raychem E131

Raychem, TE, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions and design specifications.

FOR MORE INFORMATION: TE Technical Support Centers

USA: + 1800 327 6996 France: + 33 380 583 200 UK: + 44 0870 870 7500 Germany: + 49 896 089 903 Spain: + 34 916 630 400 Italy: + 39 333 250 0915 Benelux: + 32 16 508 695 Canada: +1 (905) 475-6222 Mexico: + 52 (0) 55-1106-0800 Latin/S. America: + 54 (0) 11-4733-2200 China: + 86 (0) 400-820-6015

