

BUS INSULATOR ANIMAL GUARD (BISG-24)

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Energized installation by one person
- Quick and easy wedge driven design
- Excellent tracking resistance
- Fits insulation core diameters ranging from 2.5” (62 mm) through 5.0” (125 mm)
- Rugged, non-tracking, UV-resistant polymer
- REACH and RoHS compliant

TE Connectivity’s (TE) Raychem BISG-24 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-24 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.

Superior high voltage outdoor materials are used in the BISG-24 guard design. The rugged, non-tracking, UV-resistant polymer ensures long-term performance even in the most extreme environmental conditions.

The BISG-24 guard can be installed on energized equipment by one person. The new design incorporates a wedge device, which makes hot-stick installations on vertical and horizontal mounted insulators quick and easy.

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

Bus Insulator Animal Guard (BISG-24)



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 PERFORMANCE				
Test				
Power Arc	14.4 kV RMS, No evidence of burns or flames			
Test Current	10 kA RMS 10 cycles, No dislodging of BISG guard from insulator location			
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. Stop Voltage Method Failure after 1 hr. at 2.5 kV 1 hr. at 2.75 kV 1 hr. at 3.0 kV Initiate at 2.5 kV and 20 min at 3.25 kV		
Selection				
Description	**Insulator Core Diameter Range**	**Overall Product Diameter***	**Color**	**Std. Pack**
BISG-24-01(B10)	2.5" - 5.0" (62 mm-125 mm)	24" (600 mm)	Red	10
BISG-G-24-01(B10)	2.5" - 5.0" (62 mm-125 mm)	24" (600 mm)	Gray	10

* Overall product diameter can be trimmed down to 17" (432 mm) diameter.

TECHNICAL REPORT	
EDR-5517	Bus Insulator Squirrel Guard (BISG-24-01) Mechanical/Electrical Evaluation
EDR-5311	Rigid Red Barrier Board (RRBB) Product Qualification Report BISG Material Test Report

INSTALLATION INSTRUCTIONS	
EPP-3146-6/18	Installation Instructions for BISG-24-01
PII-56149	

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