



BUS INSULATOR SQUIRREL 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

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.

Raychem Bus Insulator Squirrel 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	20 kA RMS 10 cycles, No dislodging of BISG guard from insulator location			
	Wind Tunnel	65 MPH for 10 min., No dislodging of BISG guard from insulator location			
PHYSICAL	Key Material Properties	Test Method	Required		
	Tensile Strength	ASTM D2638	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		
			Overall Product		
SELECTION	Description	Insulator Core Diameter Range	Diameter*	Color	Std. Pack
	BISG-24-01-(B10)	2.5" - 5.0" (62 mm-125 mm)	24"	Red	10
	BISG-G-24-01-(B10)	2.5" - 5.0" (62 mm-125 mm)	24"	Gray	10
* Overall product diameter can be trimmed down to 17" diameter.					

TECHNICAL REPORT

EDR-5517 Bus Insulator Squirrel Guard (BISG-24-01)
Mechanical/Electrical Evaluation

te.com/energy

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FOR MORE INFORMATION: TE Technical Support Centers

USA: +1 800 327 6996
 France: +33 380 583 200
 UK: +44 0870 870 7500
 Germany: +49 896 089 903
 Spain: +34 916 630 400
 Benelux: +32 16 351 731
 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