

BCIC MEDIUM VOLTAGE INSULATION KITS

WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- Compatible with all TE Connectivity insulation enhancement products
- Manufactured from a non-halogen based material, noxious and corrosive effects are greatly reduced in the event of a fire
- Excellent anti-tracking properties
- Excellent UV and weather resistant properties make the BCIC Medium Voltage Insulation kit suitable for indoor and outdoor use
- Can be stored indefinitely at temperatures up to 50°C without loss of performance
- Easily removed and re-used for maintenance
- REACH and RoHS compliant

TE Connectivity's (TE) BCIC Medium Voltage Insulation Kit provides insulation to insulator/bushing and busbar connections for enhancing insulation in retrofit substation and overhead applications. They utilize cold applied manufacturing technology.

TE's BCIC covers can be quickly customized in the field with minor trimming of entry and exit holes to more readily fit required dimensions. Once installed, the covers can be re-entered for inspection and other maintenance needs and then re-used, reducing overall lifetime costs. Fewer components allows for lowering complexity of installation in less time.

Use our kits to protect energized connections from flashovers due to contact from birds, squirrels and other wildlife, perching, landing and nesting. Plus, BCIC Medium Voltage Insulation Kits can be used with other TE products such as heat shrink tubing and insulation tape making an effective insulation enhancement system against accidental phase-phase or phase-ground contact.

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



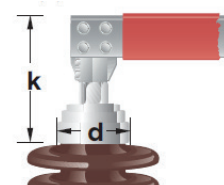
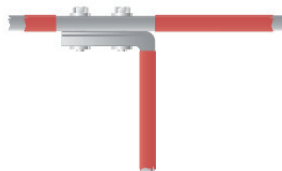
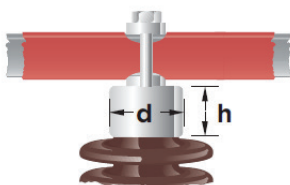
PRODUCT SELECTION - MEDIUM VOLTAGE INSULATION KITS

Busbar or busbar end on a support insulator

T-connection of bent or straight busbars

Transformer bushing or busbar end on a support insulator

BUSBAR ASSEMBLY



INSULATED ASSEMBLY



BUSBAR DIMENSIONS	ORDERING INFORMATION (DIMENSIONS ARE IN MILLIMETRES)				
Number of Busbars x width x thickness	d = 70 - 120	d = 80 - 140	d = 80 - 160	d = 70 - 140	d = 70 - 140 k ≤ 240
1 x 30 x 5	BCIC-7.5D/18-3	-	-	-	-
1 x 40 x 5	BCIC-7.5D/18-3	-	-	-	-
1 x 50 x 5	BCIC-7.5D/18-3	-	-	-	-
1 x 50 x 10	BCIC-7.5D/18-3	-	-	-	-
1 x 60 x 10	BCIC-7.5D/18-3	-	-	BCIC-7.5D/18-3	-
2 x 60 x 10	BCIC-7.5D/18-3	-	BCIC-7.5D/18-4	BCIC-7.5D/18-3	-
1 x 75 x 5	BCIC-7.5D/18-3	-	-	BCIC-7.5D/18-3	-
1 x 80 x 10	BCIC-7.5D/18-3	-	BCIC-7.5D/18-4	BCIC-7.5D/18-3	-
2 x 80 x 10	BCIC-7.5D/18-3	BCIC-7.5D/18-3	BCIC-7.5D/18-4	BCIC-7.5D/18-3	BCIC-10D/18-3
1 x 100 x 10	BCIC-7.5D/18-3	BCIC-7.5D/18-3	BCIC-7.5D/18-4	BCIC-7.5D/18-3	BCIC-10D/18-3
2 x 100 x 10	BCIC-7.5D/18-3	BCIC-7.5D/18-3	BCIC-7.5D/18-4	BCIC-7.5D/18-3	BCIC-10D/18-3
1 x 120 x 10	BCIC-7.5D/18-3	BCIC-7.5D/18-3	BCIC-7.5D/18-4	BCIC-7.5D/18-3	BCIC-10D/18-3
2 x 120 x 10	-	-	-	-	BCIC-10D/18-3
2 x 100 x 10 (2)	-	-	-	-	BCIC-10D/18-3
2 x 120 x 10 (2)	-	BCIC-7.5D/18-4	-	-	-
1 x 150 x 10	-	BCIC-7.5D/18-4	-	-	-
2 x 150 x 10	-	BCIC-7.5D/18-4	-	-	-
1 x 175 x 10	-	BCIC-7.5D/18-4	-	-	-



PRODUCT PERFORMANCE

Physical		
Key Material Property	Test Method	Material Requirements
Tensile Strength	ASTM D638	10 MPa (1450 psi) min.
Ultimate Elongation	ASTM D638	300% min.
Thermal Endurance	IEC 60216	105°C
UV Weathering Resistance (5000 hours)	ASTM G154	5 MPa (725 psi) min. 200% min.
Accelerated Ageing (168 hours at 150°C)	ASTM D2671	10 MPa (1450 psi) min. 300% min.
Electrical		
Dielectric Strength 2.5 mm / 0.08 inch wall	ASTM D257	130 kV/cm (330 V/mil) min.
Tracking and Erosion Resistance	ASTM D2303 Step Voltage Method (initiate at 2.5 kV)	No tracking or erosion to top surface or flame failure after: 1 hr at 2.50 kV 1 hr at 2.75 kV 1 hr at 3.00 kV 20 minutes at 3.25 kV

TEST REPORTS / ADDITIONAL INFO

Description	Document Reference
Material Test Report	PPR-3326
Product Test Report	EDR-5624
Product Test Report	EDR-5534
Installation Instructions	EPP-3764-3/21

te.com/energy

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