

## BUSBAR CONNECTION COVERS BMOD

### WILDLIFE AND ASSET PROTECTION PRODUCTS

#### KEY FEATURES

- Suitable for indoor and outdoor use with our BMOD 36 kV
- Excellent UV and anti-tracking performance as well as low toxicity with our BMOD 36 kV
- Flame-retardant
- Operating temperature rating up to +105°C
- Easy to install and remove for inspection and maintenance
- Compatible with TE's Raychem heat shrink tubing and tapes

TE Connectivity's (TE) Raychem BMOD cold applied busbar insulation connection covers are designed to protect and insulate energized busbar connections from flashover due to accidental contact up to 36 kV.

TE Raychem's BMOD product family come in two ranges, low voltage BMOD which are suitable for use in low voltage applications up to 1 kV, for medium voltages up to 36 kV, use medium voltage BMOD with their excellent outdoor and anti-tracking performance.

They can be used on bare busbars, switchgear connections, substations and other electrical equipment. Our BMOD covers allow equipment designers to reduce air spacings between busbars when used in conjunction with TE's Raychem heat shrink tubing or tapes.

Our BMOD covers provide flashover protection on Tee, Elbow and Straight connections with 1 x 1 busbar combinations. Cold applied half-shells are fixed with easy push fit latches for retro-fit installation and can be removed and reused.

They are available in 50 mm, 75 mm and 100 mm sizes which can be used in confined spaces. Our BMOD covers can be used on busbars with maximum of 12 mm thickness.

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

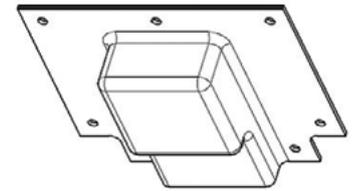
## Busbar Connection Covers BMOD



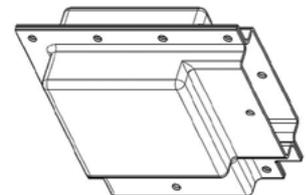
TE's wildlife and asset protection products and systems of tubing, tapes, sheets, pre-formed covers and barriers provide a proven, cost-effective and easy-to-install solution to bird, animal and weather related outages.

PRODUCT PERFORMANCE			
Key Material Properties	Test Method	Required	
		Low Voltage	Medium Voltage
<b>Physical</b>			
Resistance to Transformer Oil 168 hrs at 23°C	VDE 0370	Pass	Pass
Tensile Strength		11MPa min	11MPa min
Ultimate Elongation		300% min	100% min
Thermal Endurance	IEC 60216	105°C min	105°C min
Flamability	ANSI C 37.20	60 seconds maximum	n/a
	UL94 HB	n/a	< 3 in./min
UV Stability (5000hrs UVB Cycle 3)	ASTM G154 / SAE J2020	n/a	Pass
Tensile Strength			5 MPa min
Ultimate Elongation			300% min
Color		Black	Red
<b>Electrical</b>			
Dielectric Strength	ASTM D149	130 kV/cm min (2.5 mm)	>200 kV/cm min (2.5 mm)
Volume Resistivity	ASTM D257	1 x 10 <sup>15</sup> Ohm cm min	1 x 10 <sup>13</sup> Ohm cm min
Tracking Erosion Resistance	ASTM D2303	n/a	No tracking, erosion or flame after 1hr @2.5 kV 1hr @2.75 kV 1hr @3 kV 1hr @3.25 kV 1hr @ 3.5 kV

Note: The above information refers to the backing material only.



**BMOD-HV-050-T11-00(B12)**  
BMOD cover for HV,  
50 mm x 12 mm single busbar,  
"Tee" shape, pack of 12



**BMOD-LV-100-L11-01(B12)**  
BMOD cover for LV,  
100 mm x 12 mm single busbar,  
"Elbow" shape, right hand angle,  
pack of 12

ORDERING INFORMATION - PRODUCT DESCRIPTION		
Straight Shape	Tee Shape	Elbow Shape
BMOD-LV-050-S11-00(B12)	BMOD-LV-050-T11-00(B12)	BMOD-LV-050-L11-01(B12)
BMOD-LV-075-S11-00(B12)	BMOD-LV-075-T11-00(B12)	BMOD-LV-050-L11-02(B12)
BMOD-LV-100-S11-00(B12)	BMOD-LV-100-T11-00(B12)	BMOD-LV-075-L11-01(B12)
BMOD-HV-050-S11-00(B12)	BMOD-HV-050-T11-00(B12)	BMOD-LV-075-L11-02(B12)
BMOD-HV-075-S11-00(B12)	BMOD-HV-075-T11-00(B12)	BMOD-LV-100-L11-01(B12)
BMOD-HV-100-S11-00(B12)	BMOD-HV-100-T11-00(B12)	BMOD-LV-100-L11-02(B12)
		BMOD-HV-050-L11-01(B12)
		BMOD-HV-050-L11-02(B12)
		BMOD-HV-075-L11-01(B12)
		BMOD-HV-075-L11-02(B12)
		BMOD-HV-100-L11-01(B12)
		BMOD-HV-100-L11-02(B12)

TECHNICAL REPORT	
EDR-5499	LVBMOD Material Qualification Report
PPR-3326	HVBMOD Material Qualification Report

PRODUCT SELECTION GUIDE		
Part Number Description		
BMOD	Product Family Name	
LV	Low Voltage system	< 1 kV
HV	Medium Voltage System	< 36 kV
050 075 100	Busbar size x 12 mm max	50 mm 75 mm 100 mm
T L S	Connection shape	Tee Elbow Straight
11	1 x 1 Busbar Combination	
00 01 02	Hand arrangement Only Right and Left	Straight Right Hand Left Hand
(B12)	Pack size	12

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