Small & MIGHTY

Termate's RMS supports accept up to 6 x 5 mm or 3 x10 mm conductors with a superb Icw rating. Now that's mighty indeed!

- Versatile pole configurations and phase centres
- Version for up to 3 x 10 mm insulated conductors
- available UL Recognised c Aus
- Icw rating 50kA/3 sec, 65kA/1sec
- Strong and lightweight
- Easy to install
- Cost effective









Termate have manufactured high performance components since 1956, supplying a global customer base from our U.K. headquarters.

For over 50 years we have independently tested our products to ensure that they meet and exceed the demands of international standards including IEC 61439. We work with leading test houses and certification bodies including kATF, ASTA and Dekra.

Our products offer superb performance and longevity, incorporating materials manufactured to our specification. We listen to our customers requirements and respond, which has led to the introduction of versatile products. These can be used in more applications reducing the total costs to our partners.

We are well known by our customers for the detailed application engineering and the first class customer service we offer.

This leaflet displays our range of RMS Supports, part of our LV Power Products Range which comprises various types of Busbar Supports, Busplugs, Stand-offs, Through Wall Bushings, and Components for Withdrawable Systems. These products are all manufactured with the latest equipment at our facility in Nottingham.

We hope that our RMS Supports are of interest. If you would like to receive a quote, application help or learn more about any of our products, we would be delighted to hear from you.

081-904-9749 ID.LINE 0952498978



RMS Busbar Supports RMS6-5 & RMS3-10

	Properties		
4	Material:	Glass Reinforced Polyamide 6.6	
	Conductor Temp:	140°C†	
	Flammability:	UL94-VO	
	Glow Wire:	960°C	
	Equipment Voltage	Ue: 1000V	
	Insulation Voltage L	Ji: 1000V	
	Impulse Voltage Uir	np: 12kV	
	UL Recognised Component	File number E505645	

In lne with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

Termate is committed to the highest standard of Customer Focus and we have made every effort to maintain the accuracy and completeness of the information provided in this catalogue. Where improvements to our products affect their installation and usage we endeavour to contact any Customers who may be affected.

If you need to rely on our technical data or dimensions in your application, please contact us for further confirmation or detailed dimensional drawings/3D models.

Warranty as stated in Encompass Terms and Conditions of Trading is void if any modification is made to the warranted product.

Fault Levels – Insulator tested at 300 mm spacing							
Туре	Conductors	Support Centres	Termate Icw Rating	Duration			
RMS6-5	6 x 50 x 5	110	50kA	1 second			
RMS3-10	1 x 50 x 10	110	50kA	3 seconds			
RMS3-10	2 x 50 x 10	110	50kA	3 seconds			
RMS3-10	3 x 50 x 10	130	65kA	1 second			
RMS3-10	3 x 50 x 10	130	50kA	3 seconds			
RMS3-10	3 x 75 x 10	130	65kA	1 second			
RMS3-10	3 x 75 x 10	130	50kA	3 seconds			

Mounting Rail



Installation details with finished hole dimensions after painting or plating.

Slot dimensions should be 15 x 10 mm, tolerance of ±0.3 mm on both dimensions

RMS Busbar Supports for Insulated Copper RMSI3-10



Properties

Material:	Glass Reinforced Polyamide 6.6
Conductor Temp:	140°C†
Flammability:	UL94-VO
Glow Wire:	960°C
Equipment Voltage U	e: 1000V
Insulation Voltage Ui:	1000V
Impulse Voltage Uimp	: 12kV
UL Recognised Component	File number E505645

In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

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If you need to rely on our technical data or dimensions in your application, please contact us for further confirmation or detailed dimensional drawings/3D models.

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Fault Levels – Based on 300 mm spacing						
Туре	Conductors	Support Centres	Termate Icw Rating	Duration		
RMSI3-10	1 x 50 x 10*	110	50kA	1 second		
RMSI3-10	2 x 50 x 10*	110	50kA	1 second		
RMSI3-10	3 x 50 x 10*	130	50kA	1 second		
RMSI3-10	3 x 75 x 10*	130	50kA	1 second		

· Width shown is nominal copper width. Total width of conductor including insulation cannot exceed 11.5 mm



Slot dimensions should be 15 x 10 mm, tolerance of ±0.3 mm on both dimensions







Base Detail



Height
4.0 mm
4.0 mm
5.5 mm

More than meets the the eye!

Termate's VMS versatile support enables you to increase productivity – Making your support decisions easier.

- 1 Versatile pole configurations and phase centres
- 1 Superb Icw rating 65kA/3sec, 100kA/1sec
- 1 Strong and lightweight
- 1 1, 2 or 3 conductors





Properties

Material:	Glass Reinforced Polyamide 6.6
Conductor Temp:	140°C [†]
Flammability:	UL94-VO
Glow Wire:	960°C
Equipment Voltage U _e :	1000V
Insulation Voltage U _i :	1000V
Impulse Voltage U _{imp} :	12kV

[†]In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

Fault Levels – Insulator tested at 300 mm spacing							
Conductors	Spacers						
2 x 100 x 10	110	65kA	3 sec	Optional			
2 x 100 x 10	110	80kA	1 sec	Optional			
3 x 100 x 10	130	65kA	3 sec	Optional			
3 x 100 x 10	130	80kA	1 sec	Optional			
3 x 100 x 10	130	100kA	1 sec	Required			

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If you need to rely on our technical data or dimensions in your application, please contact us for further confirmation or detailed dimensional drawings/3D models.

Warranty as stated in Encompass Terms and Conditions of Trading is void if any modification is made to the warranted product.

Plan view of VMS Support and Spacers



VMS3-10 Busbar Support



VMS-S110 Spacer



VMS-S130 Spacer







PLAN VIEW

VIEW

Typical Installations



4 Pole assembly at 110 mm phase centres using spacers



Mounting Rail

M10 Bolts Recommended Tightening Torque 24 Nm

3 Pole assembly – versatile mounting



Mounting Rail

M8StuddingRecommendedTighteningTorque10Nm



A Strong Performer!

Termate's MX Busbar supports are the advanced solution to traditional supports

- 1 Wide range of pole, bar and phase centres
- 1 Icw ratings up to 65kA /3sec
- 1 Self extinguishing: UL94-V0
- 1 Strong and lightweight
- 1 IEC 61439 compliant







3 Pole:10 mm Conductor Busbar Supports



Properties

Material:	Glass Reinforced Polyamide 6.6
Conductor Temp:	140°C†
Flammability:	UL94-VO
Glow Wire:	960°C
Equipment Voltage U _e :	1000V
Insulation Voltage U _i :	1000V
Impulse Voltage U	12kV

⁺ In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

Reference			Termete lour			
Number of Poles	Conductor Width mm	Phase Centres	Bars Per Pole	Rating	Туре	Part Number
3	10	82	1	65kA 3s	1	MXM8213NS
3	10	82	2	65kA 3s	2	MXM8223NS
3	10	110	1	65kA 3s	1	MXM11013NS
3	10	110	2	65kA 3s	2	MXM11023NS

Measurements in mm								
L Length	W Width	H Height	SW Slot Width	H1 Base to BarHeight	SC Slot Centres	FC Fix Centres	C Clearance	Part Number
273	20	44.7	10.1	32	82	253	34.5	MXM8213NS
273	20	44.7	10.1	32	82	253	24.5	MXM8223NS
350	20	44.7	10.1	32	110	330	45	MXM11013NS
350	20	44.7	10.1	32	110	330	35	MXM11023NS

4 Pole:6 mm Conductor Busbar Supports



Troperties	
Material:	Glass Reinforced Polyamide 6.6
Conductor Temp:	140°C†
Flammability:	UL94-VO
Glow Wire:	960°C
Equipment Voltage U _e :	1000V
Insulation Voltage U _i :	1000V
Impulse Voltage U _{imp} :	12kV

Droportios

⁺ In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

Reference			Tormoto Jour			
Number of Poles	Conductor Width mm	Phase Centres	Bars Per Pole	Rating	Туре	Part Number
4	6	82	2	65kA 3s	2	MX68224NS
4	6.3	60	1	50kA 1s	1	MXB6014NS
4	6.3	65	1	50kA 1s	1	MXB6514NS
4	6.3	65	2	65kA 3s	2	MXB6524NS

			Measureme	ents in mm	1			
L Length	W Width	H Height	SW Slot Width	H1 Base to BarHeight	SC Slot Centres	FC Fix Centres	C Clearance	Part Number
350	20	45.5	6.1	32	82	330	28	MX68224NS
273	20	45.5	6.7	32	60	253	28.5	MXB6014NS
273	20	45.5	6.7	32	65	253	20.5	MXB6514NS
273	20	45.5	6.5	32	65	253	14	MXB6524NS



Please refer to the spacer selection table for recommended spacers which must be ordered separately.

4 Pole:Conductor 10 mm Busbar Supports



⁺ In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

	Refer	ence		Tormata low		Part Number
Number of Poles	Conductor Width mm	Phase Centres	Bars Per Pole	Rating	Туре	
4	10	60	1	50kA 1s	1	MXM6014NS
4	10	65	1	50kA 3s	1	MXM6514NS
4	10	65	2	65kA 3s	2	MXM6524NS
4	10	70	1	50kA 3s	1	MXHM7014NS
4	10	82	1	65kA 3s	1	MXM8214NS
4	10	82	2	65kA 3s	2	MXM8224NS

			Measurer	nents in m	m			
L Length	W Width	H Height	SW Slot Width	H1 Base to BarHeight	SC Slot Centres	FC Fix Centres	C Clearance	Part Number
273	20	44.7	10.2	32	60	253	26.5	MXM6014NS
273	20	44.7	10.2	32	65	253	19	MXM6514NS
273	20	44.7	10.2	32	65	253	8.5	MXM6524NS
350	20	44.7	10.1	32	70	330	37.5/62.5	MXHM7014NS
350	20	44.7	10.1	32	82	330	32	MXM8214NS
350	20	44.7	10.1	32	82	330	22	MXM8224NS

4 Pole: Insulated 6 to 10 mm Busbar Supports



[†] In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

	Reference						
Number of Poles	Conductor Width mm	Phase Centres	Bars Per Pole	Icw Rating	Insulated	Туре	Part Number
4	6*	82	2	50kA 1s	Yes	2	MX618224NS
4	6*	65	1	50kA 1s	Yes	2	MXI6514NS
4	10*	82	1	50kA 1s	Yes	1	MXMI8214NS

*Conductor width shown is nominal copper width. Total width of conductor including insulation cannot exceed Slot Width (SW) shown below.

		N	leasureme	nts in mm				
L Length	W Width	H Height	SW Slot Width	H1 Base to BarHeight	SC Slot Centres	FC Fix Centres	C Clearance	Part Number
350	20	45.5	7.5	32	82	330	27.5	MX6I8224NS
273	20	45.5	7.5	32	65	253	20	MXI6514NS
350	20	44.7	11	32	82	330	32	MXMI8214NS



3 Pole: Flat 10 mm Conductor Busbar Supports

	Properties	
	Material:	Glass Reinforced Polyamide 6.6
	Conductor Temp:	140°C [†]
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Flammability:	UL94-VO
	Glow Wire:	960°C
	Equipment Voltage U _e :	1000V
	Insulation Voltage U _i :	1000V
	Impulse Voltage U _{imp} :	12kV

[†] In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

	Refer	ence		Termete low		
Number of Poles	Conductor Width mm	Phase Centres Bars Per Pole		Rating	Part Number	
3	40	75	1	50kA 1s	MXMF407513NS	
3	50	75	1	50kA 1s	MXMF507513NS	

Termate Icw rating tested with supports at 220 mm centres.

	Measurements in mm							
Length Width Height SW Slot Width H1 SC Slot Slot Centres FC C Clearance								Part Number
273	20	37	40.5	32	75	253	26	MXMF407513NS
273	20	37	50.5	32	75	253	21	MXMF507513NS



4 Pole: Flat 10 mm Conductor Busbar Supports

	Properties	
	Material:	Glass Reinforced Polyamide 6.6
	Conductor Temp:	140°C [†]
1	Flammability:	UL94-VO
	Glow Wire:	960°C
	Equipment Voltage U _e :	1000V
	Insulation Voltage U _i :	1000V
	Impulse Voltage U _{imp} :	12kV

⁺ In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C). This range of products meets the requirement, the material for them being assigned thermal class F established using methods similar to IEC 60085.

	Refer	ence		Termete low		
Number of Poles	Conductor Width mm	Phase Centres Bars Per Pole		Rating	Part Number	
4	40	75	1	50kA 1s	MXMF407514NS	
4	50	75	1	50kA 1s	MXMF507514NS	

Termate Icw rating tested with supports at 220 mm centres.

	Measurements in mm							
Length Width Height SW Slot Width H1 SC Slot Slot Centres FC C Clearance								Part Number
350	20	37	40.5	32	75	330	27	MXMF407514NS
350	20	37	50.5	32	75	330	22	MXMF507514NS



Spacer Selection	(V)		6	Properties		
Per Assembly			Material: Polyam			
		Operating Temp: 14				
	12 00			Flammability: UL94-V		
MXS Spacer	CPSpacers	P		Glow Wire:	960°C	
MX Supports – A	dditio <mark>nal Spac</mark>	ers Required	Per Busbar S	Support		
Conductor Conductor 25/25.4 mm 30 mm	Conductor 50/50.8 mm	Conductor 60 mm	Conductor 75/76.2 mm	Conductor 80 mm	Conductor 100/101.6 mm	
Not Required 1 x MXS5	1 x CP25	1 x CP25 + 2 x MXS5	1 x CP50	1 x CP50 +1 x MXS5	1 x CP50 +1 x CP25	
NOTE: MXMF407513 for flat 10mm conduct	3NS, MXMF5075 tors do not requir	13NS, MXMF407 e spacers	7514NS, and MX	KMF507514NS su	oports	

[†] In line with the limits set out in IEC 61439, insulating components in contact with conductors may be required to continuously operate at an average of 140°C (Max 145°C)



The Comprehensive Choice

The Termate Standoff Insulator range offers fit, form and function all with the same aesthetic. One style, three footprints, heights from 25mm to 100mm.

- UL Recognised Rus
- Rigorously tested
- Self extinguishing: UL94-V0
- Halogen free
- Excellent mechanical strength





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TERMATE





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> Termate reserves the right to alter, without notice, the specification, design,or condition of supply of all its products. Dimensions in this catalogue are provided for reference only.

Warranty as stated in Encompass Terms and Conditions of Trading is void if any modification is made to the warranted product.





บริษัท ชเลเก็ล อิเล็คโตรคอนแทค (ไทยแลนด์) จำกัด



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