






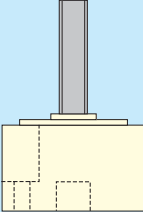
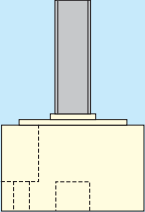

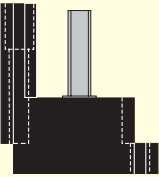
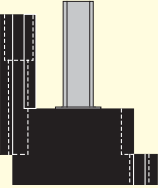
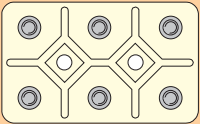




Terminals

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			TBA5 .....5
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		KM6SD	KM6SD .....15
		KM8SD	KM8SD .....15
		KM10SD	KM10SD .....15

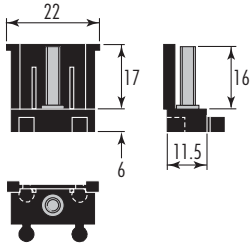
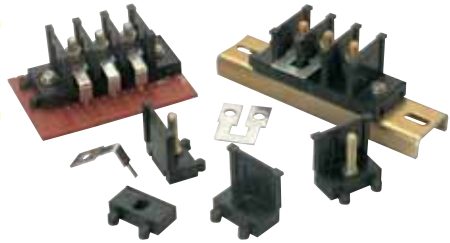
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# M4A INTERLOCKING TERMINALS

TER-MINI

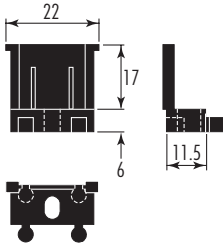
## M4 STEEL THREAD

### STUD-TYPE



#### M4A

Terminal with Barrier  
and Steel Stud



#### M4AB

Fixing Base  
with Barrier



#### M4AF

Fixing Base  
without Barrier

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

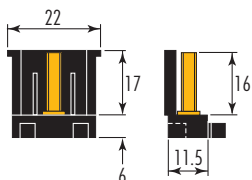
CTI : 575V IEC 60112

Working Voltage (U<sub>e</sub>) : 250V (BS 2618)

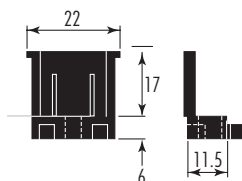
Maximum Tightening Torque (stud) : 2.0Nm

Maximum Recommended Cable Shoe Size : 6mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data



**M4 BRASS**  
Terminal with Barrier  
and Brass Stud



**M4AB**  
Fixing Base  
with Barrier



**M4AF**  
Fixing Base  
without Barrier

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 - 110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Brass - Bright Dipped

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

Working Voltage (Ue) : 250V (BS 2618)

Maximum Tightening Torque (stud) : 2.0Nm

Maximum Recommended Cable Shoe Size : 6mm<sup>2</sup>

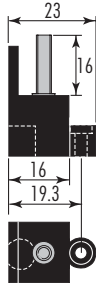
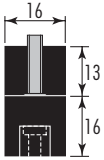
See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

# TBA INTERLOCKING TERMINALS

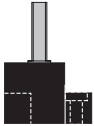
TER-MIDI

## M4 STEEL THREAD

## STUD-TYPE



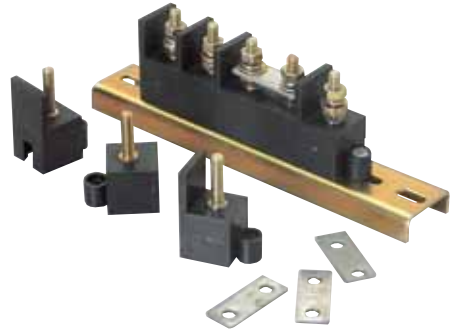
**TBA4**  
Terminal with  
Steel Stud and Barrier



**TSA4**  
Terminal with  
Steel Stud  
(no barrier)



**Base TBA4**  
Spacer  
(no stud)



Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 - 110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

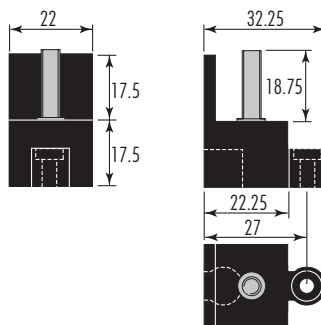
CTI : 575V IEC 60112

Working Voltage (Ue) : 250V (BS 2618)

Maximum Tightening Torque (stud) : 2.0Nm

Maximum Recommended Cable Shoe Size : 6mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data



**TBA5**  
Terminal with  
Steel Stud and Barrier



**TSAS**  
Terminal with  
Steel Stud  
(no barrier)



**Base TBA5**  
Spacer  
(no stud)

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 - 101/102 I2/F3

Colour : Black

Working Temperature : 80 - 110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

Working Voltage (Ue) : 600V (BS 2618)

Maximum Tightening Torque (stud) : 4.0Nm

Maximum Recommended Cable Shoe Size : 16mm<sup>2</sup>

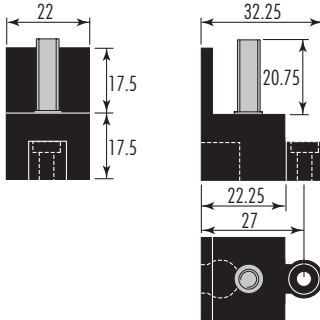
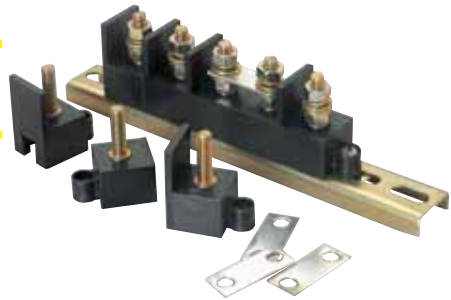
See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

# TBA INTERLOCKING TERMINALS

TER-MIDI

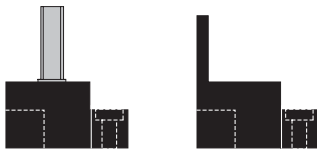
## M6 STEEL THREAD

### STUD-TYPE



#### **TBA6**

Terminal with  
Steel Stud and Barrier



#### **TSA6**

Terminal with  
Steel Stud  
(no barrier)



#### **Base TBA6**

Spacer  
(no stud)

Base Material : Polyamide 6 with Low Smoke  
Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc &  
Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

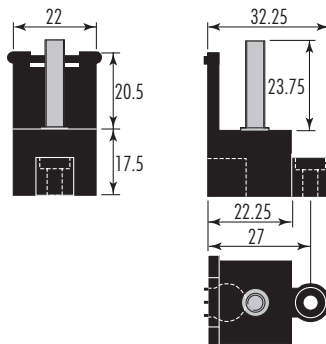
CTI : 575V IEC 60112

Working Voltage (U<sub>e</sub>) : 600V (BS 2618)

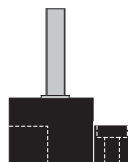
Maximum Tightening Torque (stud) : 6.8Nm

Maximum Recommended Cable Shoe Size : 35mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data



**MBA5**  
Terminal with  
Steel Stud and Barrier



**MSAS**  
Terminal with  
Steel Stud  
(no barrier)



**Base MBA**  
Spacer  
(no stud)

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

Working Voltage (Ue) : 600V (BS 2618)

Maximum Tightening Torque (stud) : 4.0Nm

Maximum Recommended Cable Shoe Size : 16mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

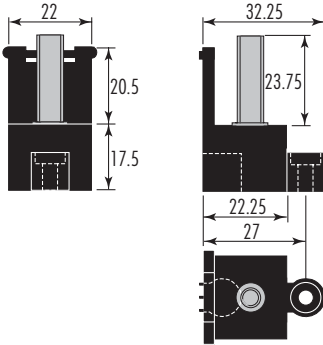
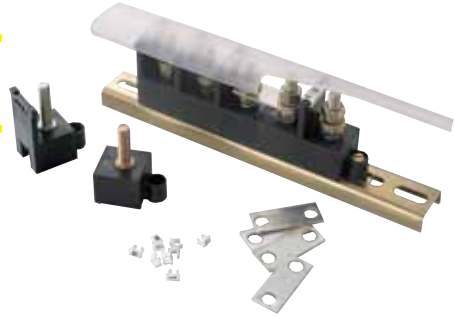


# MBA INTERLOCKING TERMINALS

TER-MIDI

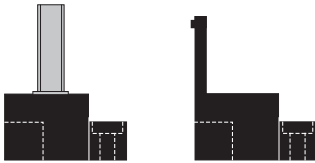
## M6 STEEL THREAD

### STUD-TYPE



#### **MBA6**

Terminal with  
Steel Stud and Barrier



#### **MSA6**

Terminal with  
Steel Stud  
(no barrier)

#### **Base MBA**

Spacer  
(no stud)

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

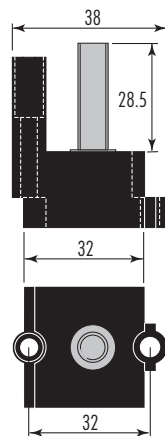
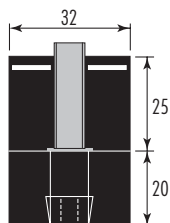
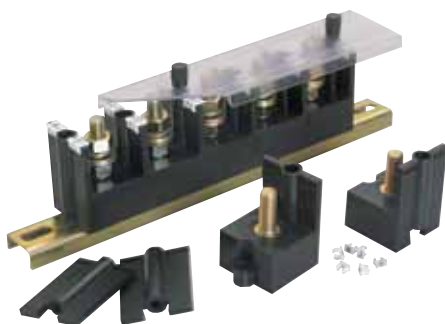
CTI : 575V IEC 60112

Working Voltage (U<sub>e</sub>) : 600V (BS 2618)

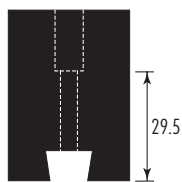
Maximum Tightening Torque (stud) : 6.8Nm

Maximum Recommended Cable Shoe Size : 35mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data



**MBA8**  
Terminal with  
Steel Stud and Barrier



**MB8**  
Barrier only

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

Working Voltage (Ue) : 750V (BS 2618)

Maximum Tightening Torque (stud) : 16.5Nm

Maximum Recommended Cable Shoe Size : 50mm<sup>2</sup>

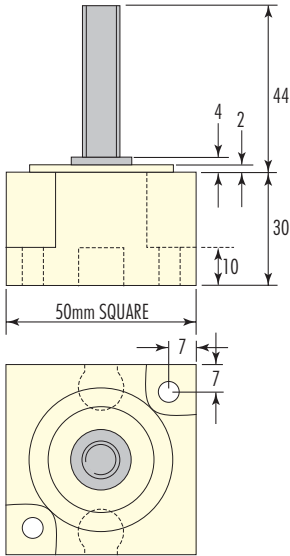
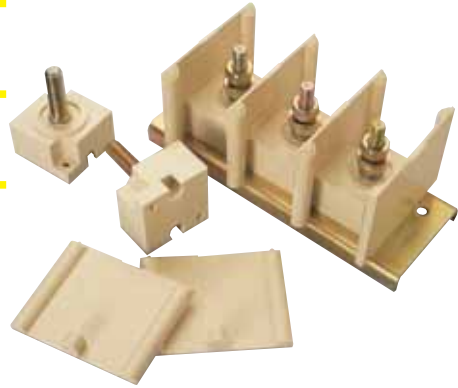
See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

# HEAVY DUTY TERMINALS

TER-MAXI

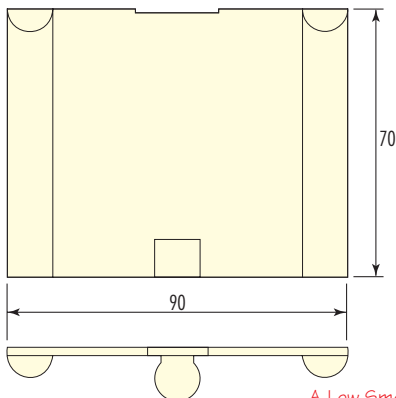
## M10 STEEL THREAD

## STUD-TYPE



**MSA10**

Terminal without Barrier



**MSB**

Barrier only

Base Material : Glass Fibre Reinforced Polyester DMC with High Arc Resistance and Reduced Flammability

Colour : Beige

Working Temperature : 160 °C

Oxygen Index : 30% BS2782 method 141 ISO 4589

UL Approval : UL94 - V0

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread class 6H/6g

CTI : > 600V BS 5901 IEC 112

Working Voltage (Ue) : 1200V (BS 2618)

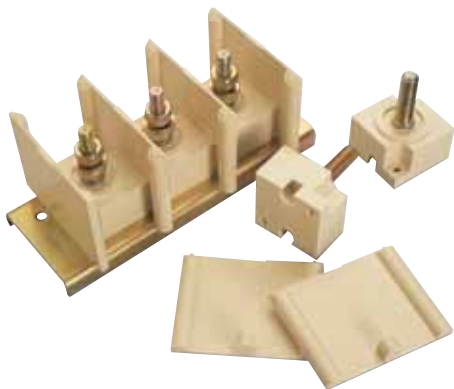
Maximum Tightening Torque (stud) : 32.8Nm

Maximum Recommended Cable Shoe Size : 185mm<sup>2</sup>

*A Low Smoke version of this product is available. Please contact our Technical Department for details*

See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

# TER-MAXI



## HEAVY DUTY TERMINALS

### M12 STEEL THREAD

### STUD-TYPE

Base Material : Glass Fibre Reinforced Polyester DMC with High Arc Resistance and Reduced Flammability

Colour : Beige

Working Temperature : 160 °C

Oxygen Index : 30% BS2782 method 141 ISO 4589

UL Approval : UL94 - V0

Stud Material : Male - Mild Steel Zinc & Passivate

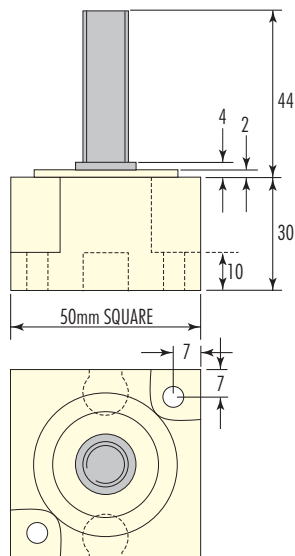
Thread : Isometric medium fit coarse thread class 6H/6g

CTI : > 600V BS 5901 IEC 112

Working Voltage (Ue) : 1200V (BS 2618)

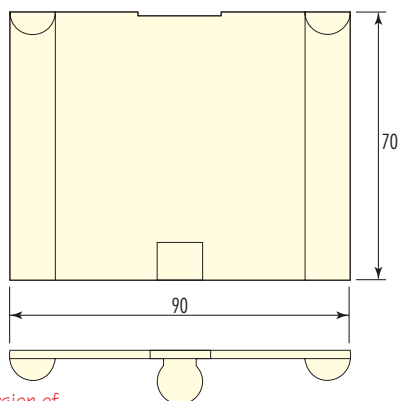
Maximum Tightening Torque (stud) : 57.0Nm

Maximum Recommended Cable Shoe Size : 240mm<sup>2</sup>



**MSA12**

Terminal without Barrier



**MSB**

Barrier only

See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

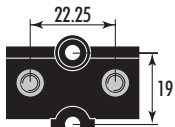
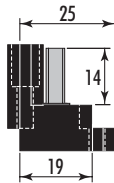
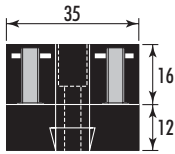
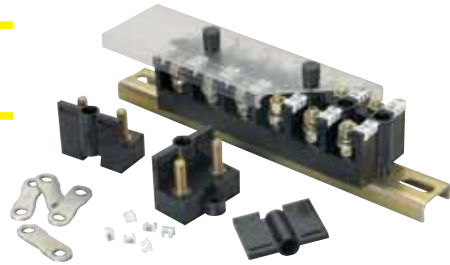
*A Low Smoke version of this product is available. Please contact our Technical Department for details*

# TM5 INTERLOCKING TERMINALS

# TERMA-TWIN

## M5 STEEL THREAD

## TWIN STUD-TYPE



**TM5**  
Terminal with  
Steel Studs and Barrier



**Base TM5**  
Spacer  
(no studs)



**TMB**  
Barrier only

Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

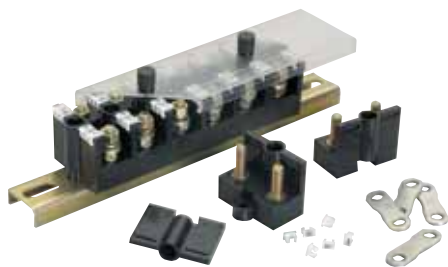
Working Voltage (Ue) : 600V (BS 2618)

Maximum Tightening Torque (stud) : 4.0Nm

Maximum Recommended Cable Shoe Size : 16mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

# TERMA-TWIN



Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Beige

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

Working Voltage (Ue) : 750V (BS 2618)

Maximum Tightening Torque (stud) : 6.8Nm

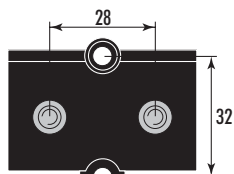
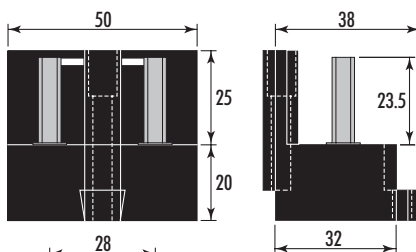
Maximum Recommended Cable Shoe Size : 35mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

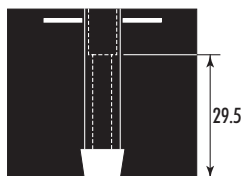
## TM6 INTERLOCKING TERMINALS

### M6 STEEL THREAD

### TWIN STUD-TYPE



**TM6**  
Terminal with  
Steel Studs and Barrier

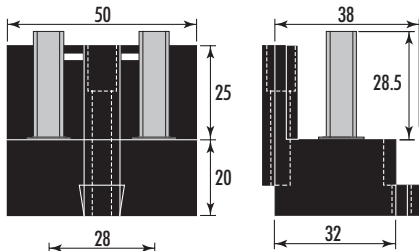


# TM8 INTERLOCKING TERMINALS

# TERMA-TWIN

## M8 STEEL THREAD

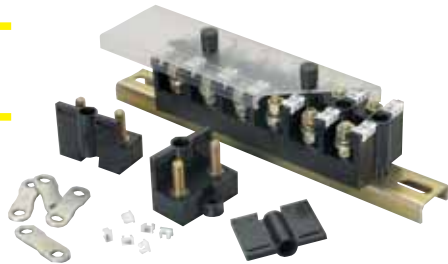
## TWIN STUD-TYPE



**TM8**  
Terminal with  
Steel Studs and Barrier



**TMB8**  
Barrier only



Base Material : Polyamide 6 with Low Smoke Emissions & Flame Retardant

Flammability Classification : Low Smoke  
NFF16 -101/102 I2/F3

Colour : Black

Working Temperature : 80 -110 °C (long term)

UL Approval : UL94 - VO (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : 575V IEC 60112

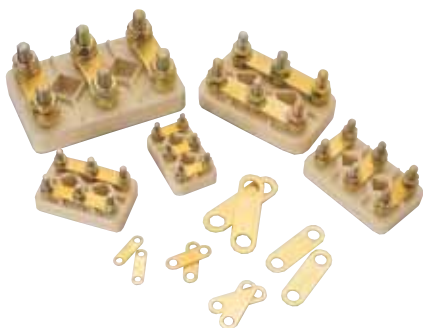
Working Voltage (U<sub>e</sub>) : 750V (BS 2618)

Maximum Tightening Torque (stud) : 16.5Nm

Maximum Recommended Cable Shoe Size : 50mm<sup>2</sup>

See Pages 16 - 19 for Accessories,  
Assembly Details & Technical Data

# TER-MOTOR



Base Material : Glass Fibre Reinforced Polyester DMC  
With High Arc Resistance and  
Reduced Flammability

Colour : Beige

Working Temperature : 160°C

Oxygen Index : 30% to BS 2782 Method 141  
ISO 4589

UL Approval : UL94 - VO

Stud Material : Male - Mild Steel Zinc &  
Passivate

Thread : Isometric medium fit coarse thread  
class 6H/6g

CTI : > 600V BS 5901 IEC 112

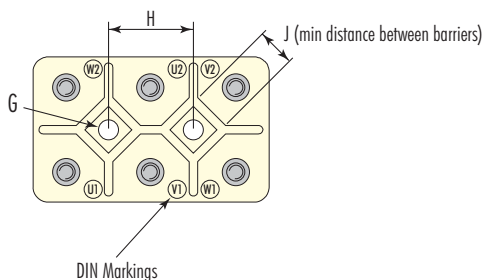
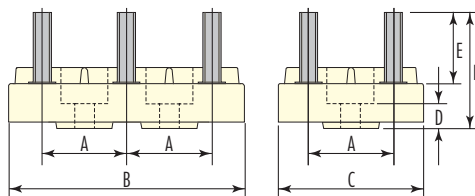
Working Voltage (Ue) : 660V (BS 2618)

See Pages 16 & 17 for Accessories  
& Page 19 for Assembly Details

## MOTOR TERMINAL BOARDS

### M4 to M10

### SIX STUD



Part No.	A	B	C	D	E	F	G	H	J
<b>KM4SD</b>	20	54	34	5	16	29	5.5	20	10
<b>KM5SD</b>	23	64	40	5	18	31	5.5	23	10
<b>KM6SD</b>	28	78	48	6	23	39	6.6	28	11
<b>KM8SD</b>	35	96	60	8	28	46	9	35	15
<b>KM10SD</b>	45	120	75	10	34	56	11	45	18

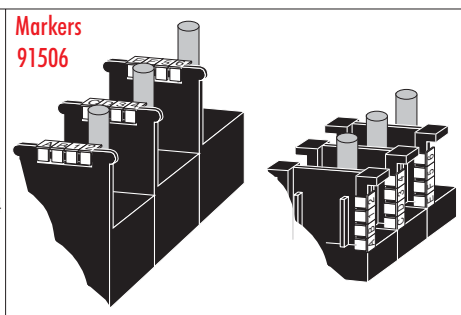
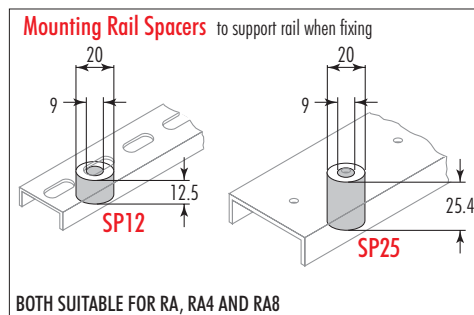
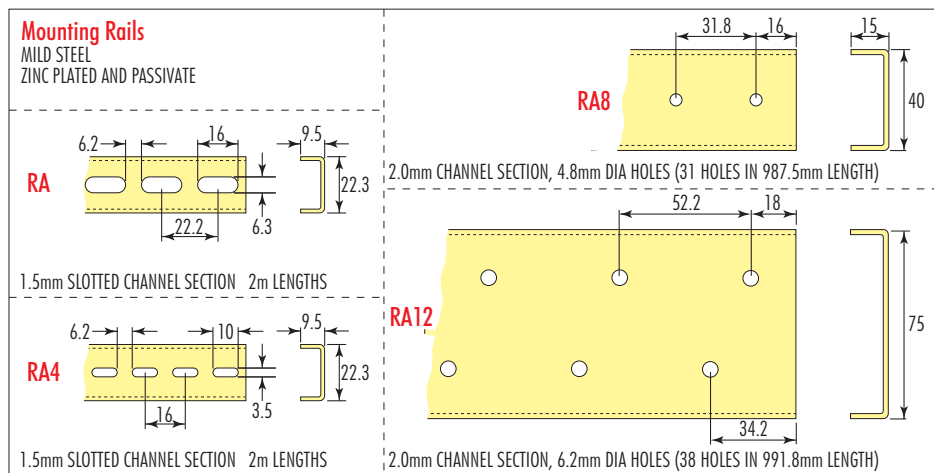
Part Number	Bridge Links	Furnishings (12 nuts & 12 washers)	Max Tightening Torque (stud)	Max Rec'd Cable Shoe Size
<b>KM4SD</b>	LK4KM	FK4S	2.0Nm	6mm <sup>2</sup>
<b>KM5SD</b>	LK5KM	FK5S	4.0Nm	16mm <sup>2</sup>
<b>KM6SD</b>	LK6KM	FK6S	6.8Nm	35mm <sup>2</sup>
<b>KM8SD</b>	LK8KM	FK8S	16.5Nm	70mm <sup>2</sup>
<b>KM10SD</b>	LK10KM	FK10S	32.8Nm	120mm <sup>2</sup>



# ACCESSORIES

Terminal Range	Part Number	Mounting Rail	Marker 0-9 A-Z	Cover	Link	Square Washer	Cover Fixing	Fixing Screw*
TER-MINI	<b>M4A/M4A BRASS</b>	RA	91506	CBA	LKM4A LK4DSP*	SW4	-	M4x16
TER-MIDI	<b>TBA4/TSA4</b>	RA4	-	CBA4	LK4MS/A	-	-	M3x12
	<b>TBA5/TSA5</b>	RA	-	-	LK5TM/A	SW4	-	M4x16
	<b>TBA6/TSA6</b>	RA	-	-	LK6A	SW4	-	M4x16
	<b>MBA5/MSA5</b>	RA	91506	CBA	LK5TM/A	SW4	-	M4x16
	<b>MBA6/MSA6</b>	RA	91506	CBA	LK6A	SW4	-	M4x16
TER-MAXI	<b>MBA8</b>	RA8	91506	CTM5	-	-	2A4BAP/TMPL	M4x40
	<b>MSA10/MSA12 (barrier)MSB</b>	RA12	-	-	-	-	-	M5x20
TERMA-TWIN	<b>TM5</b>	RA	91506	CTM5	LK5TM/A	-	2A4BAP/TMPL	M4x25
	<b>TM6</b>	RA8	91506	CTM6/8	LK6TM	-	2A4BAP/TMPL	M4x40
	<b>TM8</b>	RA8	91506	CTM6/8	LK8TM	-	2A4BAP/TMPL	M4x40

\* Fixing screw length assumes standard mounting rail used. \* Dip Solder Pin.



## COVERS

**CBA**

CLIPS ON TO BARRIER OF M4A, MBA5 AND MBA6

**CBA4**

EIGHT-WAY COVER FOR TBA4  
PUSH-ON FIT OVER STUDS  
125mm LENGTHS

**CTM5**

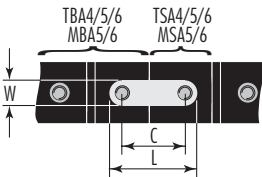
FITS MBA8 AND TM5

2m LENGTHS    FIXING KNOB 2A4BAP    INSERT TML (Pressed into Terminal Fixing Recess)

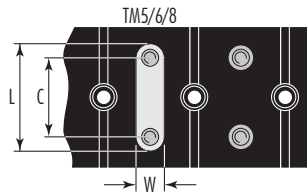
**CTM6/8**

FITS TM6 AND TM8

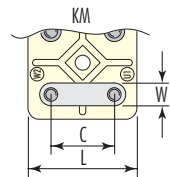
## LINKS    LK4MS/A, LK5TM/A, LK6A



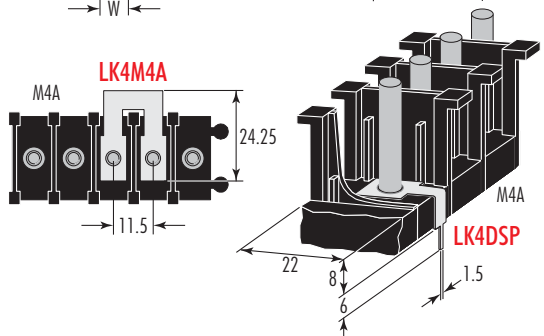
## LK5TM/A, LK6TM, LK8TM



## LK4KM, LK5KM, LK6KM LK8KM, LK10KM



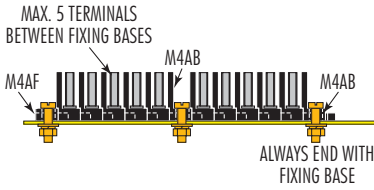
Link Part Number	L mm	W mm	Thickness mm	C mm	Dia holes mm
LK4MS/A	25.4	10	1.00	16	4.2
LK5TM/A	33	10	1.50	22, 26	5.5
LK6A	32	13	1.25	22	6.3
LK6TM	40	12	1.25	28	6.3
LK8TM	44	16	2.00	28	8.5
LK8MS/A	48	16	2.00	32	8.6
LK4KM	28	8	1.00	20	4.2
LK5KM	33	10	1.00	23	5.4
LK6KM	40	12	1.25	28	6.5
LK8KM	51	16	1.25	35	8.6
LK10KM	65	18	2.00	45	10.5



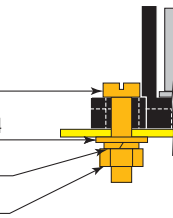
# ASSEMBLY DETAILS

AVAILABLE AS KITS  
OR  
FULLY ASSEMBLED

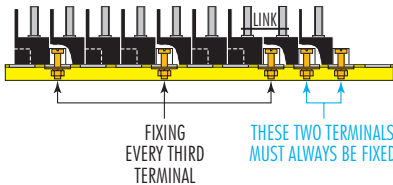
## M4A, M4AB & M4AF



FIXING SCREW  
SQUARE WASHER SW4  
LOCK WASHER  
FIXING NUT

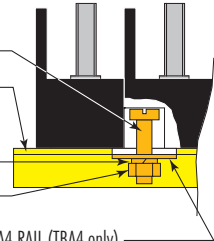


## TBA4, TBA5, TBA6. MBA5 & MBA6

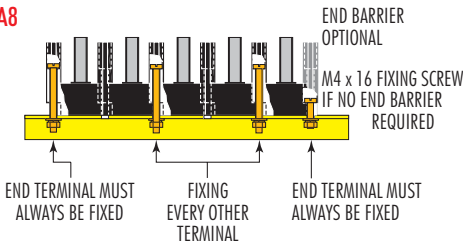


FIXING SCREW  
MOUNTING RAIL  
LOCK WASHER  
FIXING NUT

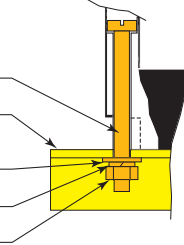
PLAIN WASHER FOR RA4 RAIL (TBA4 only)  
SQUARE WASHER SW4 FOR RA RAIL



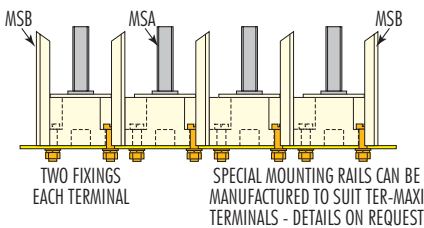
## MBA8



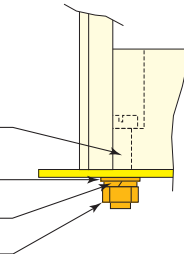
FIXING SCREW  
MOUNTING RAIL  
PLAIN WASHER FOR RA8 RAIL  
LOCK WASHER  
FIXING NUT



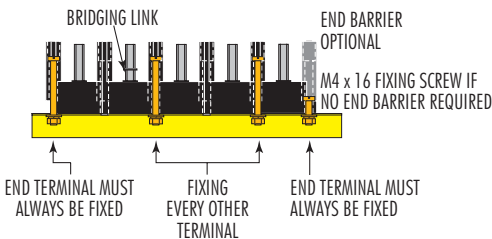
## MSA10 & MSA12



FIXING SCREW  
PLAIN WASHER  
LOCK WASHER  
FIXING NUT

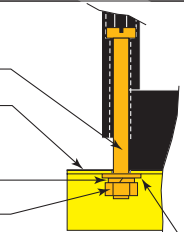


## TM5, TM6 & TM8



FIXING SCREW  
MOUNTING RAIL  
LOCK WASHER  
FIXING NUT

PLAIN WASHER FOR RA8 RAIL (TM6 & TM8 only)  
SQUARE WASHER SW4 FOR RA RAIL



# TECHNICAL DATA

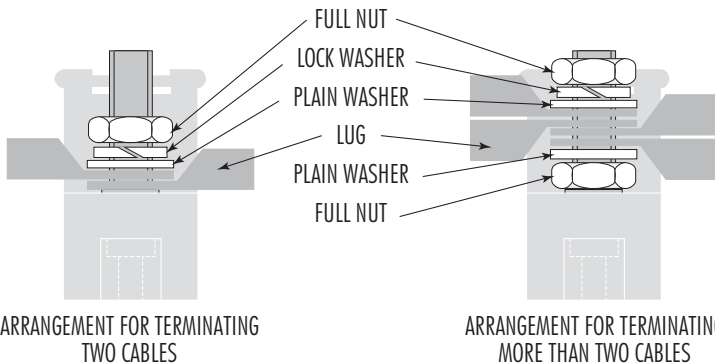
Part Number	Creepage Distances (mm)		Clearance Distance (mm)	Provision for Marker Tags	Part Number	Creepage Distances (mm)		Clearance Distance (mm)	Provision for Marker Tags
	Terminal to Terminal	Terminal to Earth				Terminal to Terminal (measured with unfurnished studs)	Terminal to Terminal		
M4A	20.5	7.5	7.5	up to 4 per side	MBA8	22.5	22.0	24.0	up to 6
M4A BRASS	20.5	7.5	7.5	up to 4 per side	MB8	-	-	-	up to 6
M4AB	-	-	-	up to 4 per side	MSA10	41.5	35.0	34.0	-
M4AF	-	-	-	-	MSA12	41.5	35.0	34.0	-
TBA4	17.0	13.0	11.5	-	MSB	-	-	-	up to 4
TSA4	17.0	13.0	11.5	-	TM5	15.0	13.0	14.0	up to 6
Base TBA4	-	-	-	-	TMB	-	-	-	up to 6
TBA5	24.0	14.0	17.0	-	Base TM5	-	-	-	-
TSA5	24.0	14.0	17.0	-	TM6	29.5	23.5	25.5	up to 6
Base TSA5	-	-	-	-	TM8	25.5	22.0	24.0	up to 6
TBA6	22.5	13.5	16.0	-	TMB8	-	-	-	up to 6
TSA6	22.5	13.5	16.0	-	KM4SD	-	-	-	-
MBA5	24.0	14.0	17.0	up to 4	KM5SD	-	-	-	-
MSA5	24.0	14.0	17.0	-	KM6SD	-	-	-	-
MBA6	22.5	13.5	16.0	up to 4	KM8SD	-	-	-	-
MSA6	22.5	13.5	16.0	-	KM10SD	-	-	-	-
Base MBA	-	-	-	up to 4					

**All Ter-mate Terminals Are Zero Halogen & Phosphorous Free**

## METHODS OF TERMINATING CONNECTIONS

Each stud provides a bolting medium for two or more cables. This method of connection is particularly suitable where resistance to vibration is important.

See individual pages for tightening torques.



We reserve the right to modify designs and specifications so as to permit the incorporation of technical developments.

Full technical support and back-up is available from Ter-mate Limited as required.