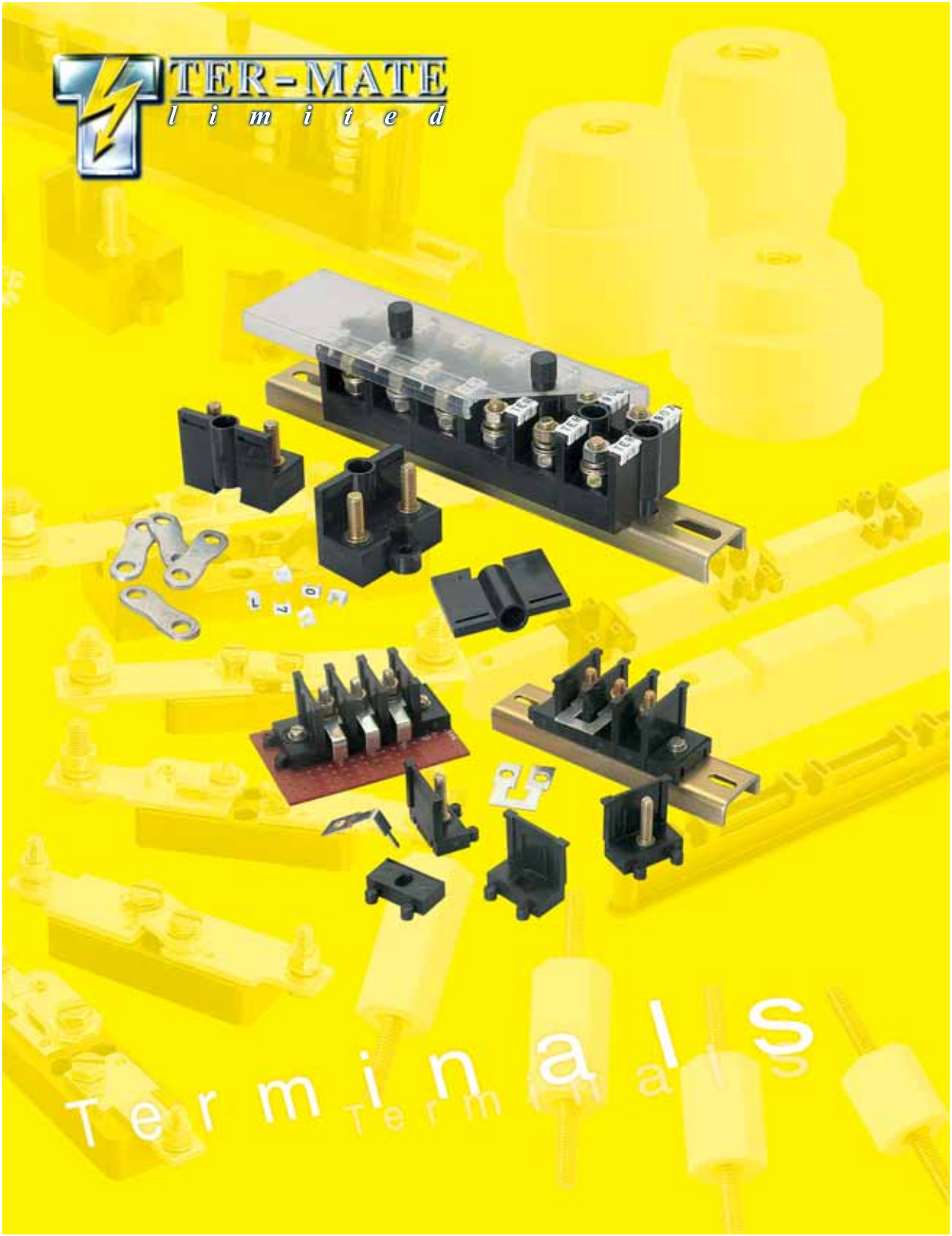
TER-MATE
limited



Terminals

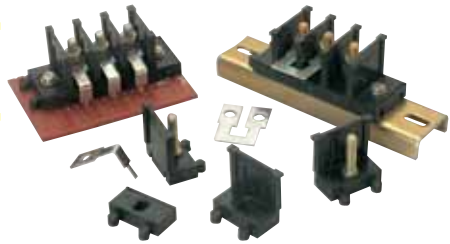
INDEX

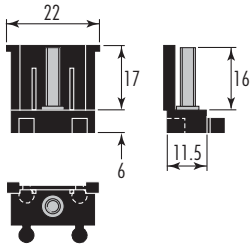
M4A INTERLOCKING TERMINALS

TER-MINI

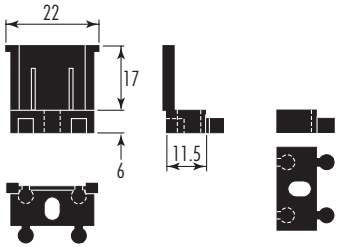
M4 STEEL THREAD

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 - V0 (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

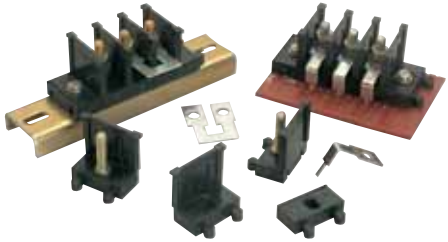
Maximum Recommended Cable Shoe Size : 6mm^2

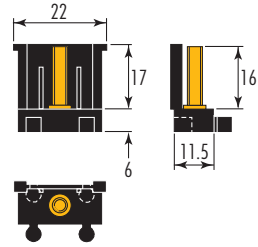
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

M4A INTERLOCKING TERMINALS

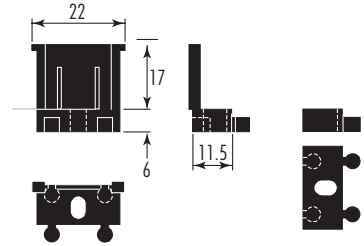
M4 BRASS THREAD

STUD-TYPE





M4A 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 - V0 (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^2

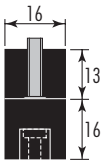
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

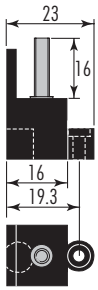
TBA INTERLOCKING TERMINALS

TER-MIDI

M4 STEEL THREAD

STUD-TYPE

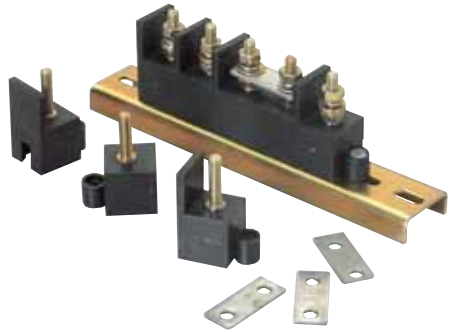




TBA4
Terminal with
Steel Stud and Barrier

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 - V0 (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

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

CTI : 575V IEC 60112

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

Maximum Tightening Torque (stud) : 2.0Nm

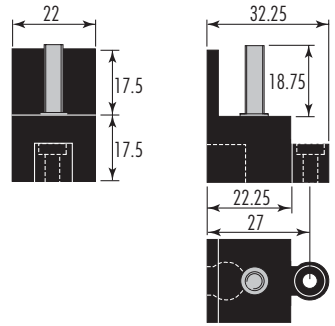
Maximum Recommended Cable Shoe Size : 6mm^2

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

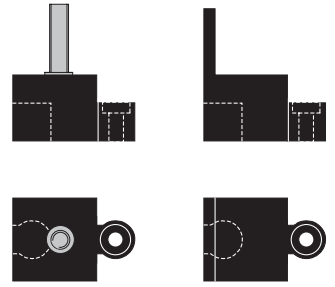
TBA INTERLOCKING TERMINALS

M5 STEEL THREAD

STUD-TYPE



TBA5
Terminal with
Steel Stud and Barrier



TSA5
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 thead class 6H/6g

CTI : 575V IEC 60112

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

Maximum Tightening Torque (stud) : 4.0Nm

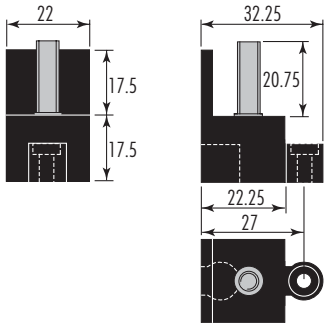
Maximum Recommended Cable Shoe Size : 16mm^2

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

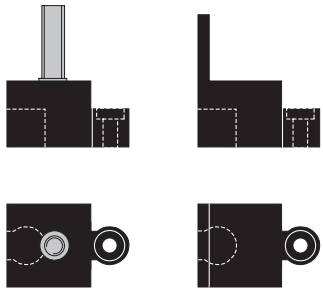
TBA INTERLOCKING TERMINALS

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 - V0 (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

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

CTI : 575V IEC 60112

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

Maximum Tightening Torque (stud) : 6.8Nm

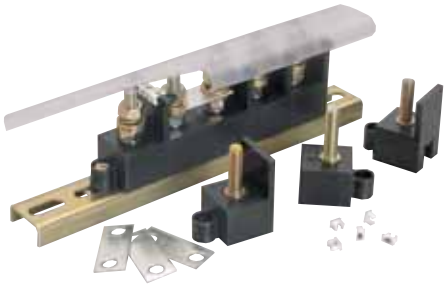
Maximum Recommended Cable Shoe Size : 35mm^2

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

MBA INTERLOCKING TERMINALS

M5 STEEL THREAD

STUD-TYPE



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 - V0 (0.8mm)

Stud Material : Male - Mild Steel Zinc & Passivate

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

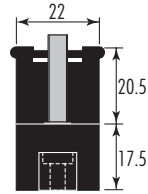
CTI : 575V IEC 60112

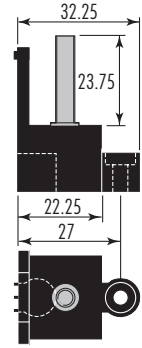
Working Voltage (Ue) : 600V (BS 2618)

Maximum Tightening Torque (stud) : 4.0Nm

Maximum Recommended Cable Shoe Size : 16mm^2

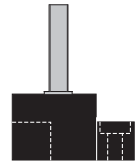
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

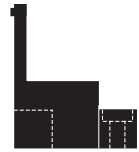




MBA5

Terminal with Steel Stud and Barrier





MSA5

Terminal with Steel Stud (no barrier)

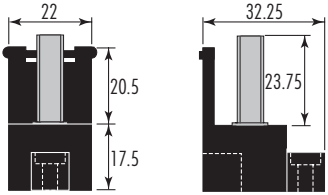
Base MBA

Spacer (no stud)

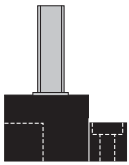
MBA INTERLOCKING TERMINALS

M6 STEEL THREAD

STUD-TYPE

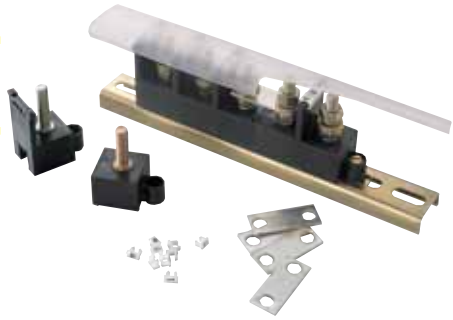


MBA6
Terminal with
Steel Stud and Barrier



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 - V0 (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) : 6.8Nm

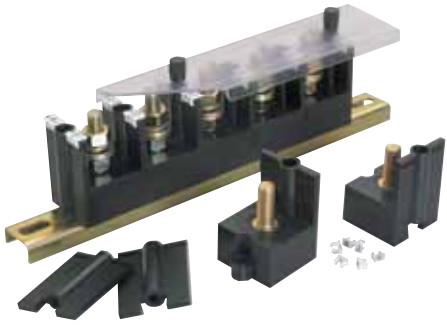
Maximum Recommended Cable Shoe Size : 35mm^2

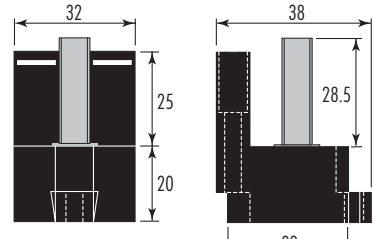
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

MBA INTERLOCKING TERMINALS

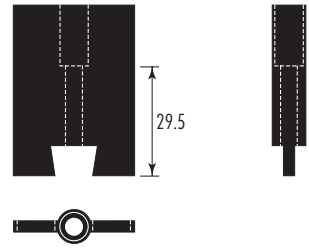
M8 STEEL THREAD

STUD-TYPE





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

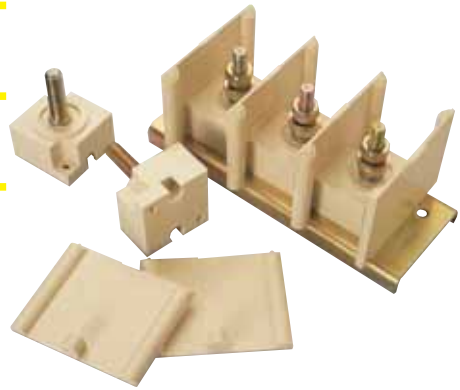
Maximum Recommended Cable Shoe Size : 50mm^2

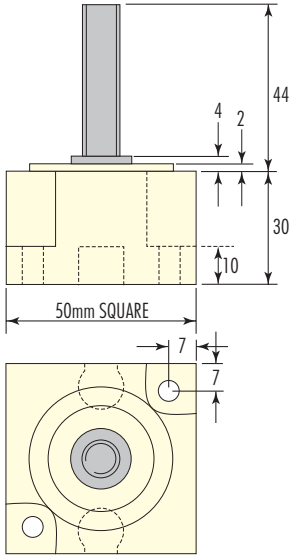
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

HEAVY DUTY TERMINALS

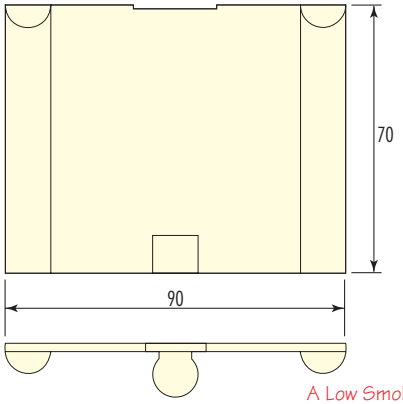
M10 STEEL THREAD

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^2

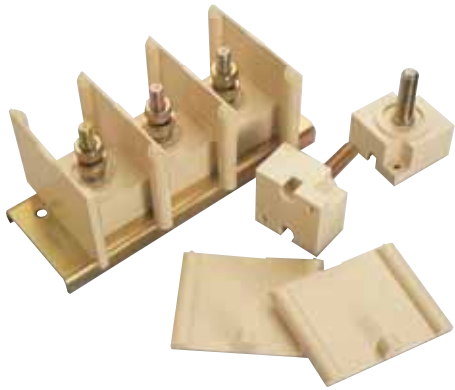
A Low Smoke version of this product is available. Please contact our Technical Department for details

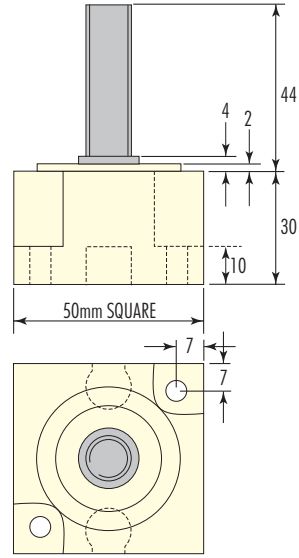
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

HEAVY DUTY TERMINALS

M12 STEEL THREAD

STUD-TYPE





MSA12
Terminal without Barrier

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 - VO

Stud Material : Male - Mild Steel Zinc & Passivate

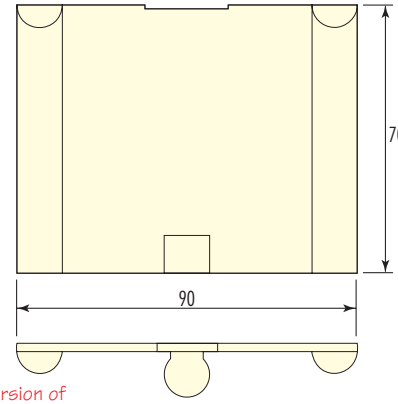
Thread : Isometric medium fit coarse thread class 6H/6g

CTI : >600V BS 5901 IEC 112

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

Maximum Tightening Torque (stud) : 57.0Nm

Maximum Recommended Cable Shoe Size : 240mm^2



MSB
Barrier only

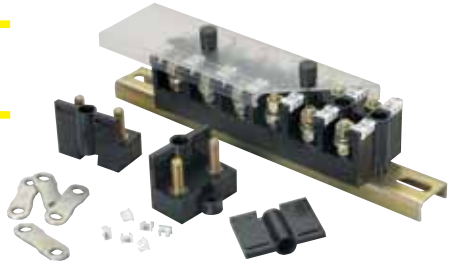
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

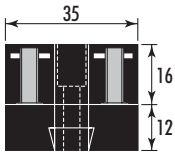
A Low Smoke version of this product is available. Please contact our Technical Department for details

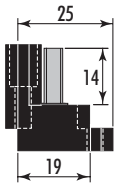
TM5 INTERLOCKING TERMINALS

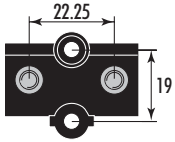
M5 STEEL THREAD

TWIN STUD-TYPE

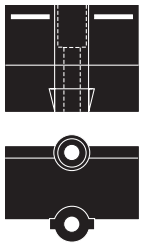




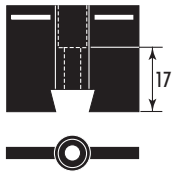




TM5
Terminal with
Steel Studs and Barrier



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 - V0 (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

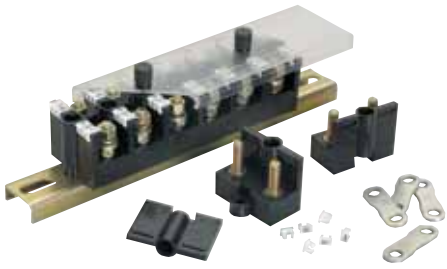
Maximum Recommended Cable Shoe Size : 16mm^2

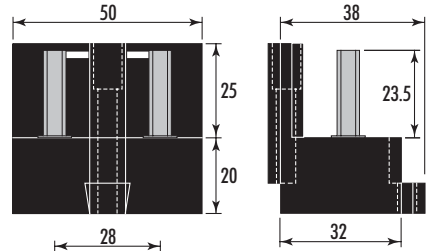
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

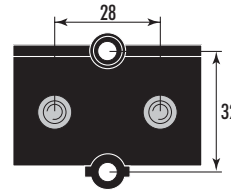
TM6 INTERLOCKING TERMINALS

M6 STEEL THREAD

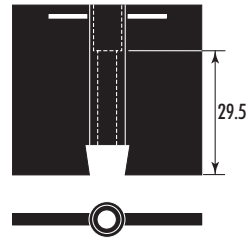
TWIN STUD-TYPE







TM6
Terminal with
Steel Studs and Barrier



TMB8
Barrier only

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 - V0 (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

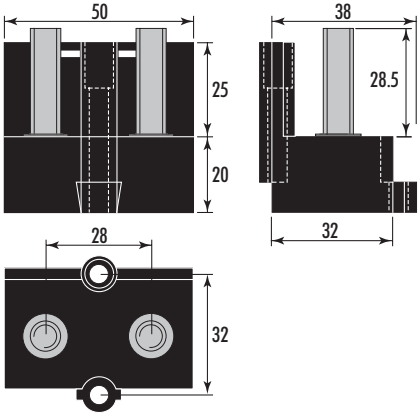
Maximum Recommended Cable Shoe Size : 35mm^2

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

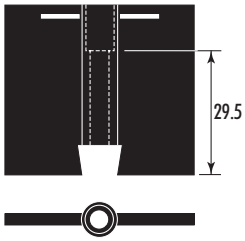
TM8 INTERLOCKING TERMINALS

M8 STEEL THREAD

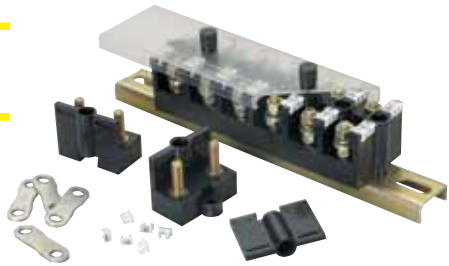
TWIN STUD-TYPE



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 - V0 (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

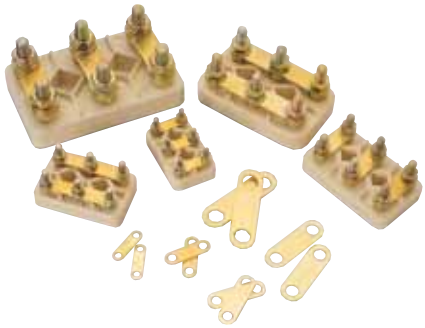
Maximum Recommended Cable Shoe Size : 50mm^2

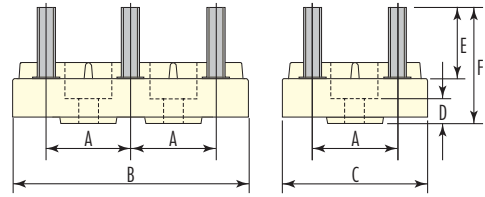
See Pages 16 - 19 for Accessories, Assembly Details & Technical Data

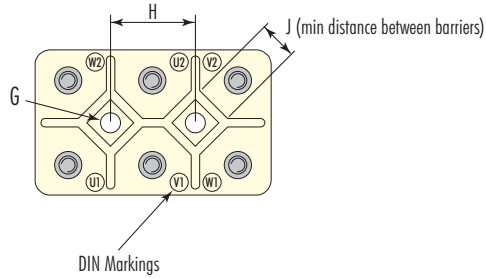
MOTOR TERMINAL BOARDS

M4 to M10

SIX STUD







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 thead class 6H/6g

CTI : >600V BS 5901 IEC 112

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

Part No.	A	B	C	D	E	F	G	H	J
KM4SD	20	54	34	5	16	29	5.5	20	10
KM5SD	23	64	40	5	18	31	5.5	23	10
KM6SD	28	78	48	6	23	39	6.6	28	11
KM8SD	35	96	60	8	28	46	9	35	15
KM10SD	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
KM4SD	LK4KM	FK4S	2.0Nm	6mm^2
KM5SD	LK5KM	FK5S	4.0Nm	16mm^2
KM6SD	LK6KM	FK6S	6.8Nm	35mm^2
KM8SD	LK8KM	FK8S	16.5Nm	70mm^2
KM10SD	LK10KM	FK10S	32.8Nm	120mm^2

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

ACCESSORIES

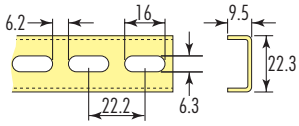
Terminal Range	Part Number	Mounting Rail	Marker 0-9 A-Z	Cover	Link	Square Washer	Cover Fixing	Fixing Screw *
TER-MINI	M4A/M4A BRASS	RA	91506	CBA	LKM4A LK4DSP *	SW4	-	M4x16
TER-MIDI	TBA4/TSA4	RA4	-	CBA4	LK4MS/A	-	-	M3x12
	TBA5/TSA5	RA	-	-	LK5TM/A	SW4	-	M4x16
	TBA6/TSA6	RA	-	-	LK6A	SW4	-	M4x16
	MBA5/MSA5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

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

Mounting Rails

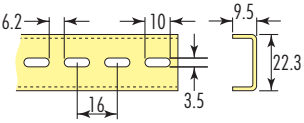
MILD STEEL
ZINC PLATED AND PASSIVATE

RA



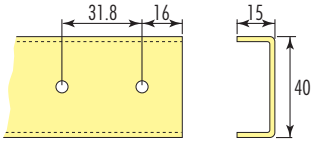
1.5mm SLOTTED CHANNEL SECTION 2m LENGTHS

RA4



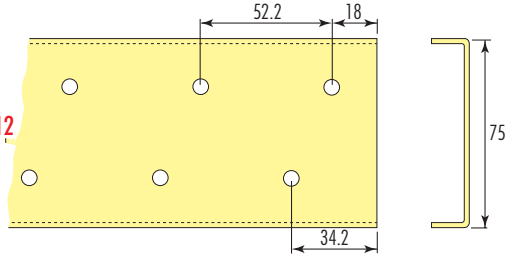
1.5mm SLOTTED CHANNEL SECTION 2m LENGTHS

RA8



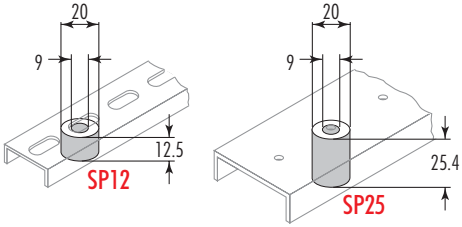
2.0mm CHANNEL SECTION, 4.8mm DIA HOLES (31 HOLES IN 987.5mm LENGTH)

RA12



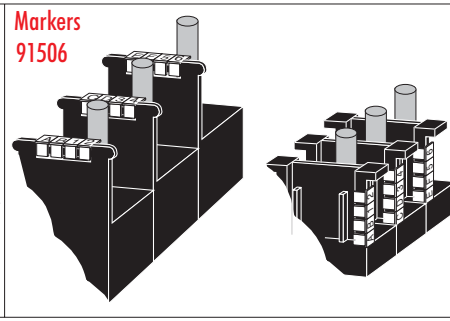
2.0mm CHANNEL SECTION, 6.2mm DIA HOLES (38 HOLES IN 991.8mm LENGTH)

Mounting Rail Spacers to support rail when fixing



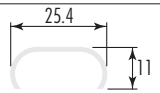
BOTH SUITABLE FOR RA, RA4 AND RA8

Markers 91506

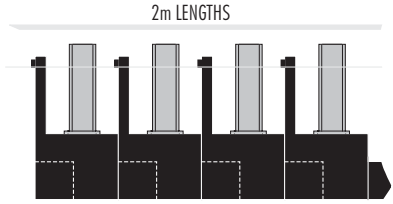


COVERS

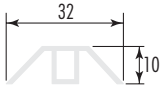
CBA



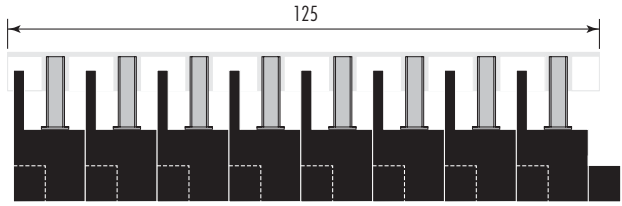
CLIPS ON TO BARRIER OF
M4A, MBA5 AND MBA6



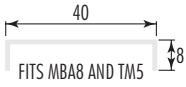
CBA4



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

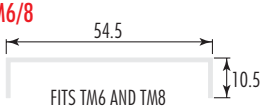


CTM5

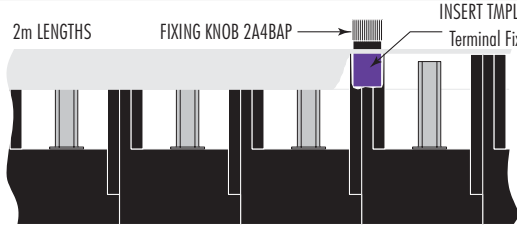


FITS MBA8 AND TM5

CTM6/8

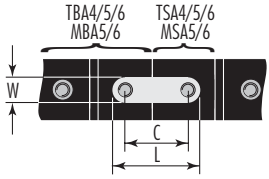


FITS TM6 AND TM8



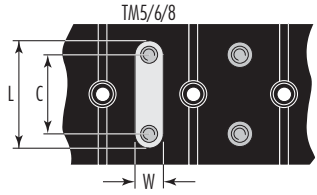
LINKS

LK4MS/A, LK5TM/A, LK6A

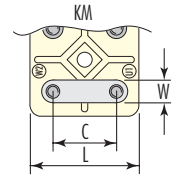


Link Part Number	L mm	W mm	Thickness mm	C mm	Dia holes mm
LK4MS/A	25.4	10	1.00	16	4.2
LK5TM/A	33	10	1.50	22.26	5.5
LK6A	32	13	1.25	22	6.3
LK6TM	40	12	1.25	28	6.3
LK8TM	44	16	2.00	28	8.5
LK8MS/A	48	16	2.00	32	8.6
LK4KM	28	8	1.00	20	4.2
LK5KM	33	10	1.00	23	5.4
LK6KM	40	12	1.25	28	6.5
LK8KM	51	16	2.00	35	8.6
LK10KM	65	18	2.00	45	10.5

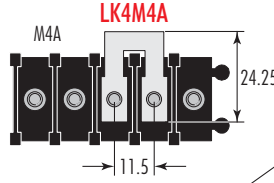
LK5TM/A, LK6TM, LK8TM



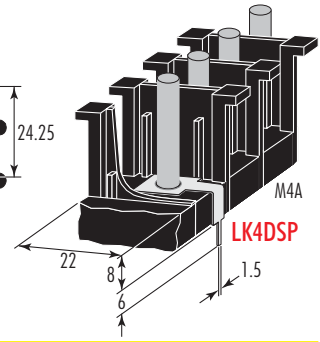
LK4KM, LK5KM, LK6KM
LK8KM, LK10KM



LK4M4A



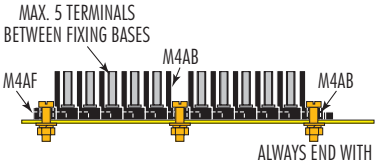
LK4DSP

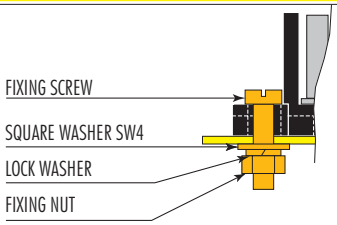


ASSEMBLY DETAILS

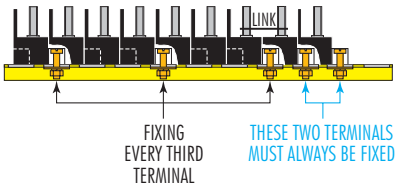
AVAILABLE AS KITS
OR
FULLY ASSEMBLED

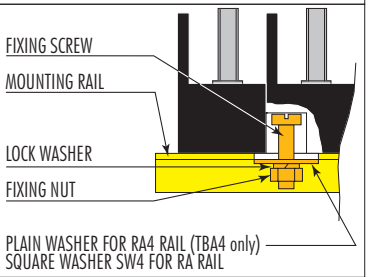
M4A, M4AB & M4AF



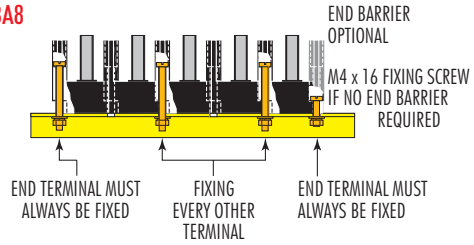


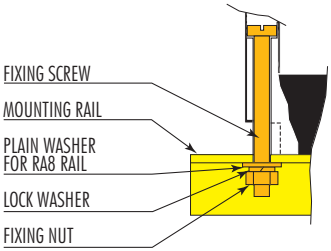
TBA4,TBA5, TBA6. MBA5 & MBA6



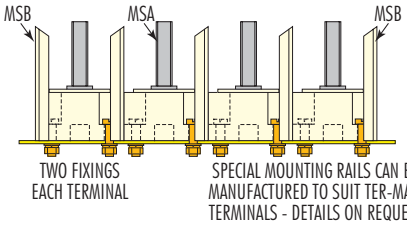


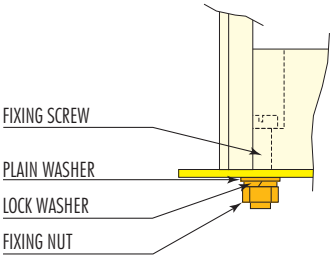
MBA8



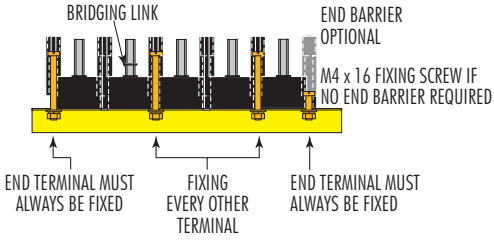


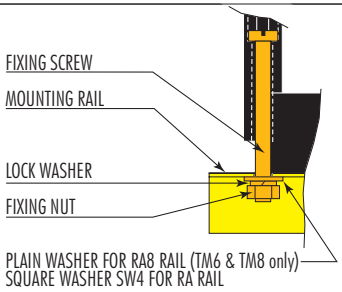
MSA10 & MSA12





TM5, TM6 & TM8





TECHNICAL DATA

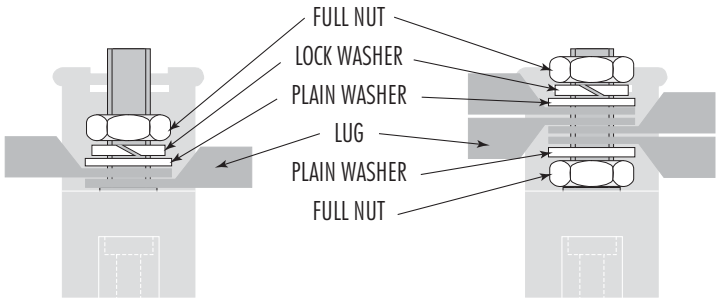
Part Number	Creepage Distances (mm)		Clearance Distance (mm)	Provision for Marker Tags
	Terminal to Terminal	Terminal to Earth	Terminal to Terminal (measured with unfurnished studs)	
M4A	20.5	7.5	7.5	up to 4 per side
M4A BRASS	20.5	7.5	7.5	up to 4 per side
M4AB	-	-	-	up to 4 per side
M4AF	-	-	-	-
TBA4	17.0	13.0	11.5	-
TSA4	17.0	13.0	11.5	-
Base TBA4	-	-	-	-
TBA5	24.0	14.0	17.0	-
TSA5	24.0	14.0	17.0	-
Base TBA5	-	-	-	-
TBA6	22.5	13.5	16.0	-
TSA6	22.5	13.5	16.0	-
MBA5	24.0	14.0	17.0	up to 4
MSA5	24.0	14.0	17.0	-
MBA6	22.5	13.5	16.0	up to 4
MSA6	22.5	13.5	16.0	-
Base MBA	-	-	-	up to 4

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)	
MBA8	22.5	22.0	24.0	up to 6
MB8	-	-	-	up to 6
MSA10	41.5	35.0	34.0	-
MSA12	41.5	35.0	34.0	-
MSB	-	-	-	up to 4
TM5	15.0	13.0	14.0	up to 6
TMB	-	-	-	up to 6
Base TM5	-	-	-	-
TM6	29.5	23.5	25.5	up to 6
TM8	25.5	22.0	24.0	up to 6
TMB8	-	-	-	up to 6
KM4SD	-	-	-	-
KM5SD	-	-	-	-
KM6SD	-	-	-	-
KM8SD	-	-	-	-
KM10SD	-	-	-	-

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.



ARRANGEMENT FOR TERMINATING TWO CABLES

ARRANGEMENT FOR TERMINATING MORE THAN TWO CABLES

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.