MV Terminal

6.6kV

Abtech's medium voltage terminal is a component certified device that simplifies the AC/DC connection of 2.2 to 6.6kV electrical supplies. It can be used with any ATEX or IECEx Zone 1 certified enclosure.

- Available in three, four, six and eight and nine-way configurations
- Can be linked in pairs or multiples
- Suitable for high operating temperature applications up to 130°C

Terminal Data

Product Reference (TATE…)	Width (mm)		Height (mm)		Depth Z (mm)	Maximum Voltage (kV)*	Maximum Current (A)	Maximum Conductor Size (mm^2)	Maximum Ways	Weight (kg)
	X	X(M)	Y	Y(M)						
MV3	168	153	220	200	102	4.4	250	240	3	1.8
MV4	212	197	220	200	102	4.4	250	240	4	2.4
MV6	300	285	220	200	102	4.4	250	240	6	3.6
MV8	388	373	220	200	102	4.4	250	240	8	4.8
MV9	432	417	220	200	104	4.4	250	240	9	5.4
MV3T	168	153	220	200	114	6.6	250	240	3	1.9
MV4T	212	197	220	200	114	6.6	250	240	4	2.5
MV6T	300	285	220	200	114	6.6	250	240	6	3.7
MV8T	388	373	220	200	114	6.6	250	240	8	4.9
MV9T	432	417	220	200	116	6.6	250	240	9	5.5

Note- Product partcode has **TATE** prefix i.e. TATEMV6   *Max AC/DC voltage dependant on conductor size and lug configuration.
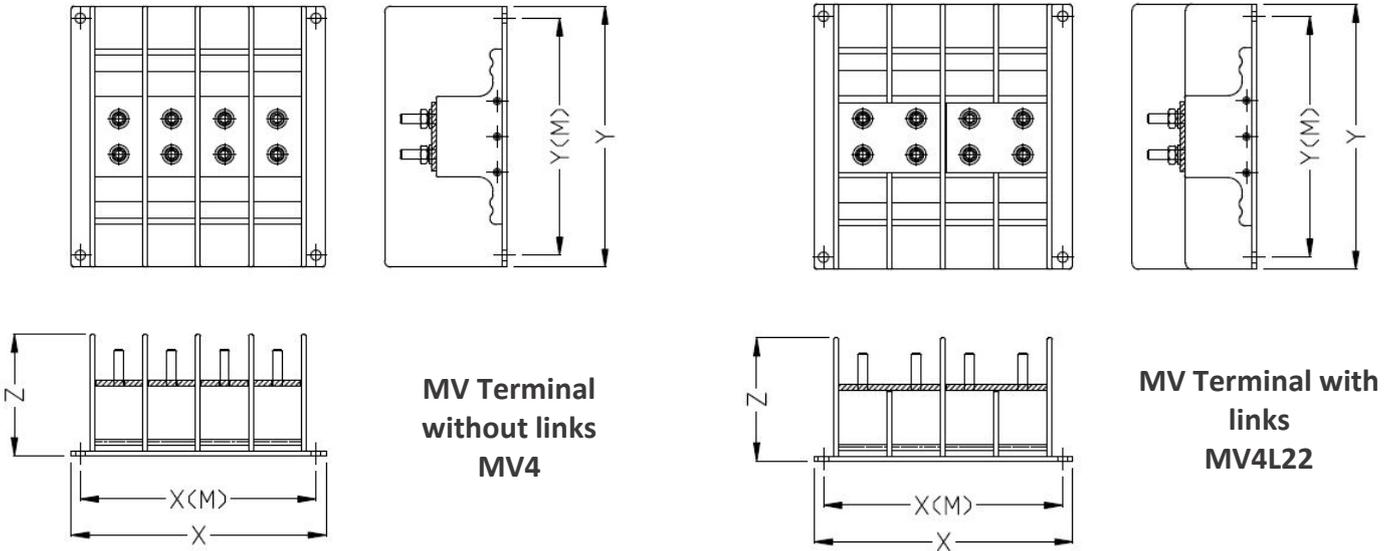
Standard Specifications

Product Type	Medium Voltage Terminal
Material	Plastic UTR Laminate
Operating Temp Rating	-40°C to +130°C
Crimp Lugs	MV - M8 single or double hole, sizes 1.5mm² up to 240mm² (M10 & M12 options)
Mounting	4 x M8 clearance holes
Link Bars	Tinned copper
Certification	
Area Classification	Zone 1 & 21 component certificate
Type of Protection	Ex e (Increased Safety)
Apparatus Coding	Ex eb IIC Gb
Certificate Number	ATEX: CML 15ATEX3096U / IECEx: CML 15.0051U / UKCA: CML 23UKEX3297U

MV Terminal				
Max Conductor Size (mm²)	Max AC/DC Operating Voltage (kV)		Cable Lug Fixing Centres (mm)	Cable Lug Fixing Stud
	98mm Barriers	110mm Barriers (T)		
240	2.20	4.40	30	M8
185	2.75	4.40		
150	3.52	5.50		
120	3.52	5.50		
95	3.52	5.50		
>70	4.40	6.60		

General Arrangement

MV Terminal without links MV4

MV Terminal with links MV4L22

Options

Lxx	Linking: 1st x = link type (pairs, triple) 2nd x = Quantity of links required
TC	Transparent Acrylic Cover
M$_{xx}$ (specify size)	Alternative crimp lug fixing stud size as required i.e. M8, M10 or M12

Add the required suffix to the product reference.
Example: TATEMV6TL23M10 – 6 way 6.6kV max terminal block linked in pairs, three links, M10 Lug fixing stud.

MVH Option

Abtech's MVH range builds upon the MV Terminal, providing a maximum voltage of up to 8.8kV with 300A and 600A options. For more information, please see the MVH datasheet.

Both MV/MVH ranges need to be installed inside a suitable Abtech enclosure.