Fixed

Our printed circuit board terminal blocks designed for fixed mounting offer high density, and maximum flexibility. Modular construction simplifies ordering and reduces inventory. Two-and 3-pole modules can be interlocked to create multipole assemblies. Altech can also supply ready-made assemblies tailored to your specification. Fixed-mount blocks are available with the economical tubular screw, box clamp or the screw-cage clamp and offer several wire entry options to facilitate wiring and increase accessibility.

Pluggable

The two-piece, plug and header design of our "pluggable" terminal blocks speed and simplify board replacement and reduce costly downtime and misconnections. No special tools are required. Headers are soldered into the board and accept the plugs, which are easily removed for fast, convenient board or device replacement. Choose single- mold designs for maximum strength. Or choose modular designs which are assembled from 2 and 3 pole modules when you need maximum flexibility to meet changing requirements. Both are available in a variety of configurations. Headers are available in vertical, and horizontal, single or double-level, with closed or open ends.

We offer pluggables with either screw-cage clamp termination for heavy duty requirements or with tubular screw termination and open headers for cost sensitive applications. We also offer a card edge connector for a quick, reliable and inexpensive connection.

Connection

Altech's printed circuit board terminal blocks give you a choice between tubular screw, box clamp and screw-cage clamp designs:

- When your application calls for the highest reliability and frequent wire terminations, the screw-cage clamp should be your choice. As the clamp is tightened, the nickel-plated cage rises, pressing the wire firmly against the busbar, ensuring solid connections every time. Standard color is green.
- In the tubular screw and box clamp design, tightening the screw presses the conductor directly against the bottom of the clamp. These systems are ideal for cost sensitive, lighter duty applications or applications with infrequent wire terminations. Wire protectors are standard. Standard color is black for tubular screw and green for box clamp.

Pin Spacing

Each clamp style is offered in metric and inch pin spacing. For your convenience, this catalog is organized by pin spacing. Fixed blocks are first, starting with the smallest pin spacing, then pluggable shown in each available spacing.

Materials

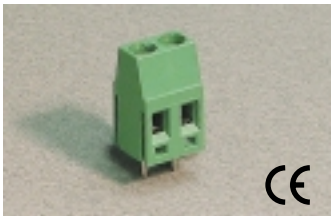
All of our printed circuit board terminal blocks feature precision formed or machined metal parts which are electrolytically plated. Nickel or tin-plated brass cage clamps or tubes, wire protectors, and tin-plated solder pins satisfy the most demanding requirements. Housings are precision-molded from self-extinguishing polyamid 6.8 or glass-filled polyester providing excellent strength and temperature resistance.

Marking

Altech offers marking to identify terminal inputs. Order Hot Stamp Imprinting for permanent marking of large quantities or custom marked terminals. Standard marking is consecutive numbers, left to right. This standard marking can be ordered by adding the imprint sequence to the part number as a suffix (i.e. MV-4612/1-12 would be a MV-4612 terminal block imprinted 1 through 12, left to right).

Custom imprints are also available, consult Altech for ordering information.

Pin Spacing: 5.00mm
Orientation: Vertical
Clamp Type: Screw Cage
Design: Modular



MVE-25

ELECTRICAL

	Current	Voltage	Wire Range
cULus	15A①	300V	30-14AWG
IEC	16A	450V	2.5mm² Stranded 4.0mm² Solid

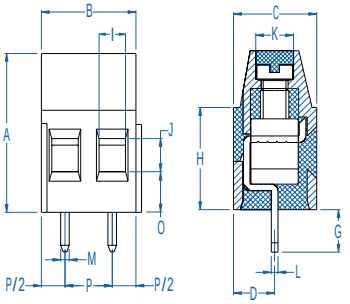
INSTALLATION DATA

Screw Size	M3	**PCB Hole Size**	1.3mm
Torque	0.5Nm (4.5 lbf-in.)	**Stripping Lgth.**	7.1mm

MATERIAL

Body	PA6.8	**Screw**	Galvanized Steel
Flammability Class	UL94V-0	**Terminal**	Tin-Plated Brass
Temperature Limit	105˚C UL 125˚C IEC	**Clamp**	Nickeled Brass
Color	Green		

No. Poles	Cat. #	Length (B) (mm)	Std. Pk.
2	MVE-252	10.0	100
3	MVE-253	15.0	100
4	MVE-254	20.0	50
5	MVE-255	25.0	50
6	MVE-256	30.0	50
7	MVE-257	35.0	50
8	MVE-258	40.0	50
9	MVE-259	45.0	50
10	MVE-2510	50.0	50
11	MVE-2511	55.0	50
12	MVE-2512	60.0	50
13	MVE-2513	65.0	20
14	MVE-2514	70.0	20
15	MVE-2515	75.0	20
16	MVE-2516	80.0	20
17	MVE-2517	85.0	20
18	MVE-2518	90.0	20
19	MVE-2519	95.0	20
20	MVE-2520	100.0	20
21	MVE-2521	105.0	20
22	MVE-2522	110.0	20
23	MVE-2523	115.0	20
24	MVE-2524	120.0	20



Dimensions

A	16.80 mm	I	2.80 mm
B	10.00 mm	J	2.80 mm
C	8.90 mm	K	Ø3.80 mm
D	4.35 mm	L	0.70 mm
E	–	M	0.90 mm
F	–	N	–
G	4.50 mm	O	4.60 mm
H	10.80 mm	P	5.00 mm

① 16A Factory Wiring - UL

Pin Spacing: 5.00mm
Orientation: Horizontal
Clamp Type: Tubular Screw with Wire Protector
Design: Modular

MHE-13

ELECTRICAL

	Current	Voltage	Wire Range
UL	16A	250V	22-16AWG

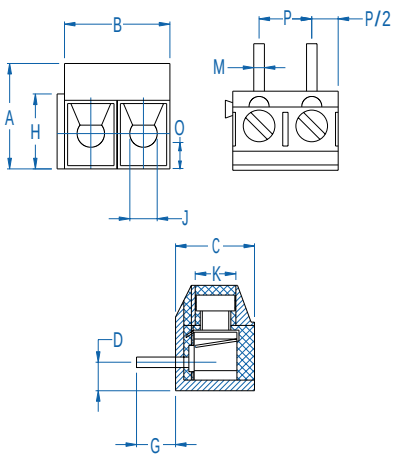
INSTALLATION DATA

Screw Size	M2.6	**PCB Hole Size**	1.3mm
Torque	0.4Nm (3.6 lbf-in.)	**Stripping Lgth.**	5.6mm

MATERIAL

Body	Glass-Filled Polyester	**Screw**	Galvanized Steel
Flammability Class	UL94V-0	**Terminal**	Tin-Plated Brass
Temperature Limit	130˚C UL 125˚C IEC	**Wire Protector**	CuSn6
Color	Black		

No. Poles	Cat. #	Length (B) (mm)	Std. Pk.
2	MHE-132	10.0	100
3	MHE-133	15.0	100
4	MHE-134	20.0	50
5	MHE-135	25.0	50
6	MHE-136	30.0	50
7	MHE-137	35.0	50
8	MHE-138	40.0	50
9	MHE-139	45.0	50
10	MHE-1310	50.0	50
11	MHE-1311	55.0	50
12	MHE-1312	60.0	50
13	MHE-1313	65.0	20
14	MHE-1314	70.0	20
15	MHE-1315	75.0	20
16	MHE-1316	80.0	20
17	MHE-1317	85.0	20
18	MHE-1318	90.0	20
19	MHE-1319	95.0	20
20	MHE-1320	100.0	20
21	MHE-1321	105.0	20
22	MHE-1322	110.0	20
23	MHE-1323	115.0	20
24	MHE-1324	120.0	20



Dimensions

A	10.00 mm	I	–
B	10.00 mm	J	Ø2.60 mm
C	7.50 mm	K	Ø3.50 mm
D	2.70 mm	L	–
E	–	M	Ø1.00 mm
F	–	N	–
G	3.70 mm	O	1.40 mm
H	7.10 mm	P	5.00 mm