Mini European PCB Terminal Blocks	*MSM Series*	*MSM 90° Series*

Specifications: **MSM Series**

Features:
- MSM is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points/holes
- 2 to 25 positions single mold
- 2 to 30 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current:	17.5A @ 300V
Wire Range:	12-30 AWG
Wire Section: (mm²)	0.05 to 2.5mm²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	$>10^9$ (500V DC)
Operating temp:	-40°C - +110°C
Stripping Length:	6mm
Torque:	0.5 Nm
PCB Holes:	min 1.4mm
PCB Thickness:	max 2.8mm
Climatic Category:	40/110/21 Acc. To IEC 68-1

Materials

Housing:	Polyamide 6,6 (UL 94V-O)
Clamp:	Copper Alloy, NI plated
Terminal:	Copper Alloy, Tin-plated
Screw:	M3, Copper Alloy, Ni plated
Colors Available:	Green and Black

Marking
Numbered marking strips for 5 and 5.08mm centers

Numbered	Order Number
1-10	ESA014000110
11-20	ESA014001120
21-30	ESA014002130
31-40	ESA014003140
41-50	ESA014004150

Ink marking by factory (specify in order number):
Factory ink is permanent and will not rub off.
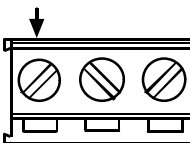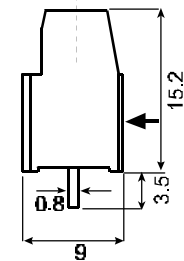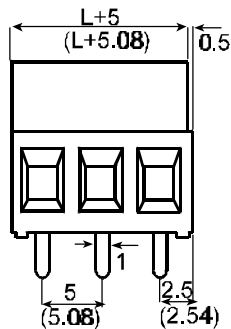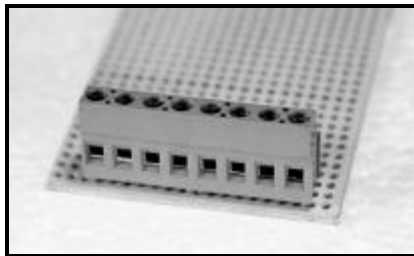Ink has fluorescent tint for greater visibility
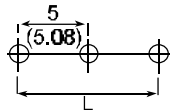0 = no printing
A= upside down printing (consecutive #'s R to L)
B= regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

MSM Series (column 2)
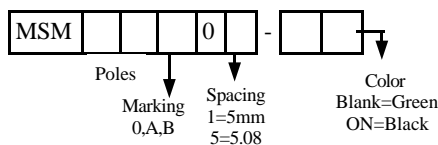
17.5A 300V   5 and 5.08mm

PCB Layout

Dimensions
n = number of poles
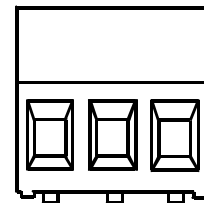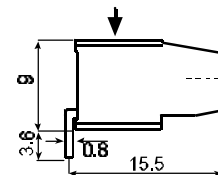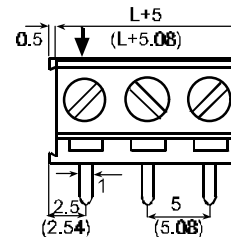L=(n-1) x 5.00 (for 5.00mm spacing)
L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

Ordering Information

MSM [ ][ ][ ][0] - [ ][ ][ ]
Poles
Marking 0,A,B
Spacing 1=5mm 5=5.08
Color Blank=Green ON=Black

MSM 90° Series (column 3)

17.5A 300V   5 and 5.08mm

Also available with a 270° pin bend

PCB Layout
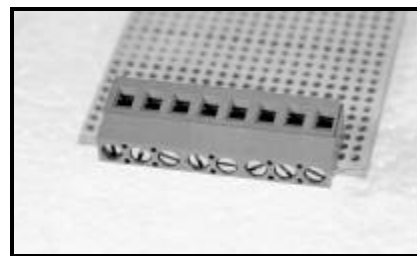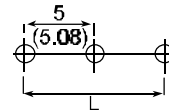
Dimensions
n = number of poles
L=(n-1) x 5.00 (for 5.00mm spacing)
L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

Ordering Information

MSM [ ][ ][ ][9] - [ ][ ][ ]
Poles
Marking 0,A,B
Spacing 1=5mm 5=5.08
Color Blank=Green ON=Black

BlockMaster Electronics, Inc.