

miniBOSS™ M22

Power Distribution System

The miniBOSS™ M22 system is offered in 2, 3, 4, 5 and 6 position configurations. This system allows for cost-effective power and signal distribution, utilizing UL ST00W/CSA Type ST cable, as well as High Flex TPE jacketed UL Listed TC-ER cable.



miniBOSS™ M22 (7/8")



2, 3, 4, 5 and 6 Position Specifications

Temperature Range	-20°C to +105°C	Cable Jacket	PVC, Yellow
Housing Body/Face	Oil-resistant PVC	Cable Rating	UL Listed Type STOOW
Coupling Nut	Machined Aluminum, Anodized	Cable Voltage	600V, 105°C
Receptacle Housing	Machined Aluminum, Anodized	Cable Certification	CSA certified type ST
Contacts	Copper Alloy	Cable Insulation	PVC insulated #16AWG stranded copper (65x34)
Contact Plating	5µ inches (min) Gold, over 25µ inches (min) Nickel	Cable Diameter	2/C - .37" (9.4mm); 3/C - .41" (10.4mm) 4/C - .42" (10.7mm); 5/C - .50" (12.7mm) 6/C - .54" (13.7mm)

2, 3, 4, 5 and 6 Position Cable Assemblies and Receptacles

Mxxx = length in meters

	2P	3P	4P	5P	6P
Male Face View					
Color Code	1-White, 2-Black	1-Green, 2-Black, 3-White	1-Black, 2-White, 3-Red, 4-Green	1-White, 2-Red, 3-Green, 4-Orange, 5-Black	1-White, 2-Red, 3-Green, 4-Orange, 5-Black, 6-Blue
Current	13A		10A	10A	8A
Voltage	600V				
Conductor	16AWG				
Receptacle Wire Style	MTW and AWM 1015				

Plug - Description	See FIG/Pg	2P	3P	4P	5P	6P
M-Str., Int. Thread	FIG 1, Pg 90	MN23AC01Mxxx	MN33AC01Mxxx	MN43AC01Mxxx	MN53AC01Mxxx	MN63AC01Mxxx
M-90°, Ext. Thread	FIG 5, Pg 91	MN23BC01Mxxx	MN33BC01Mxxx	MN43BC01Mxxx	MN53BC01Mxxx	MN63BC01Mxxx
F-Str, Int. Thread	FIG 2, Pg 90	MN24AC01Mxxx	MN34AC01Mxxx	MN44AC01Mxxx	MN54AC01Mxxx	MN64AC01Mxxx
F-90°, Int. Thread	FIG 4, Pg 90	MN24BC01Mxxx	MN34BC01Mxxx	MN44BC01Mxxx	MN54BC01Mxxx	MN64BC01Mxxx
M-Str, Ext. Thread/ F-Str, Internal Thread	FIG 3, Pg 90/ FIG 2, Pg 90	MN27A4AC01Mxxx	MN37A4AC01Mxxx	MN47A4AC01Mxxx	MN57A4AC01Mxxx	MN67A4AC01Mxxx
M-90°, Ext. Thread/ F-Str, Internal Thread	FIG 5, Pg 91/ FIG 2, Pg 90	MN27B4AC01Mxxx	MN37B4AC01Mxxx	MN47B4AC01Mxxx	MN57B4AC01Mxxx	MN67B4AC01Mxxx
M-Str, Ext. Thread/ F-90°, Int. Thread	FIG 3, Pg 90/ FIG 4, Pg 90	MN27A4BC01Mxxx	MN37A4BC01Mxxx	MN47A4BC01Mxxx	MN57A4BC01Mxxx	MN67A4BC01Mxxx
M-90°, Ext. Thread/ F-90°, Int. Thread	FIG 5, Pg 91/ FIG 4, Pg 90	MN27B4BC01Mxxx	MN37B4BC01Mxxx	MN47B4BC01Mxxx	MN57B4BC01Mxxx	MN67B4BC01Mxxx

Receptacle - Description	See FIG/Pg	2P	3P	4P	5P	6P
M, Ext. Thread	FIG 5, Pg 91	MN21PW02Mxxx	MN31PW02Mxxx	MN41PW02Mxxx	MN51PW02Mxxx	MN61PW02Mxxx
F, Ext. Thread	FIG 6, Pg 91	MN22PW02Mxxx	MN32PW02Mxxx	MN42PW02Mxxx	MN52PW02Mxxx	MN62PW02Mxxx
F, Int. Thread	FIG 7, Pg 91	MN24PW02Mxxx	MN34PW02Mxxx	MN44PW02Mxxx	MN54PW02Mxxx	MN64PW02Mxxx



3, 4 and 5 Position - Tees

Description	See FIG/Pg	Part Number
3 Pos., 600V, 13A	FIG 8, Pg 91	P29309
4 Pos., 600V, 10A	FIG 9, Pg 91	P29310
5 Pos., 600V, 8A	FIG 10, Pg 91	P29311



Dustcaps and Threaded Unions

Description	See FIG/Pg	Part Number
Male, Internal Threads	FIG 11, Pg 91	P29044
Female External Threads	FIG 12, Pg 91	P29045
Aluminum Threaded Union (for male and female connectors)	FIG 13, Pg 91	10-54938



Dimensional Drawings

Mxxx = length in meters

FIG 1: Male, Plug, Straight, Internal Threads

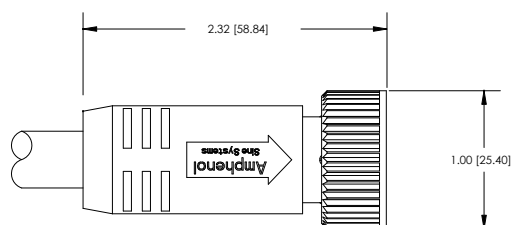


FIG 2: Female, Plug, Straight, Internal Threads

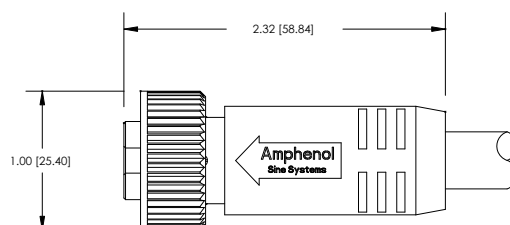


FIG 3: Male, Plug, Straight, External Threads

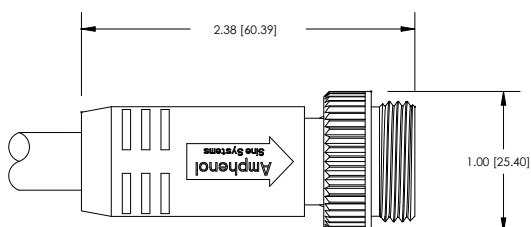
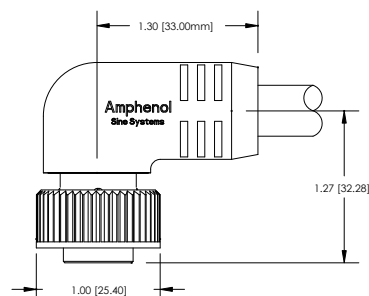


FIG 4: Female, Plug, 90°, Internal Threads



All Dimensions in: mm [inch]

miniBOSS™ M22 (7/8")

Dimensional Drawings, cont.

Mxxx = length in meters

FIG 5: Male, Plug, 90°, External Threads

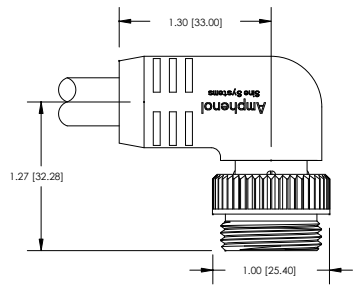


FIG 6: Male/Female, Receptacle, External Threads

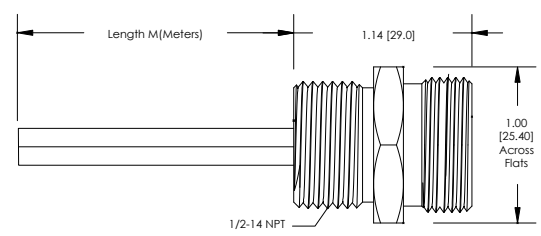


FIG 7: Female, Receptacle, Internal Threads

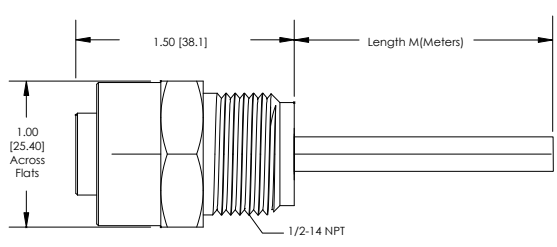


FIG 8: Tee, 3 Position

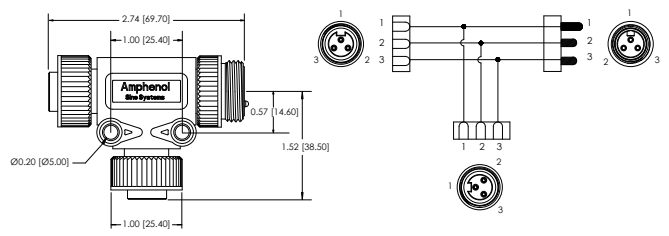


FIG 9: Tee, 4 Position

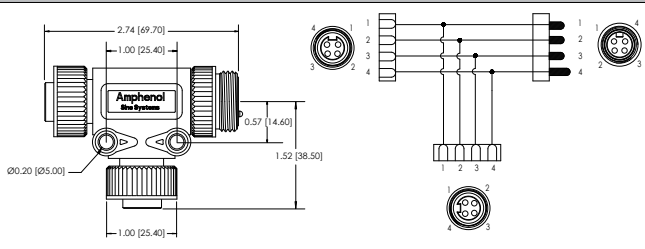


FIG 10: Tee, 5 Position

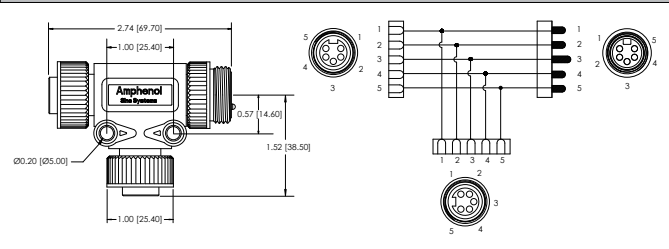


FIG 11: Male, Dustcap, Internal Threads

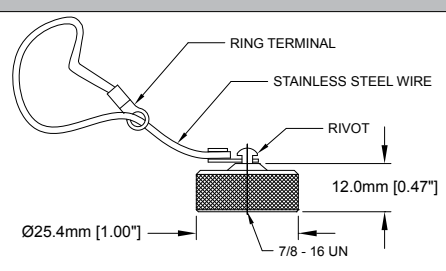


FIG 12: Female, Dustcap, External Threads

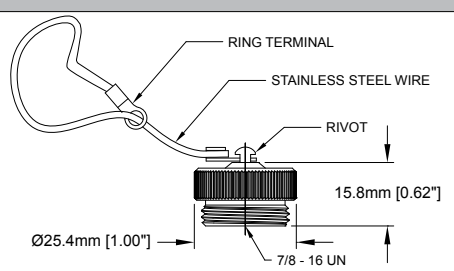
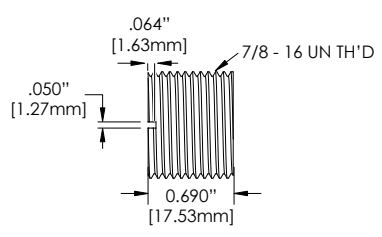


FIG 13: Threaded Union



All Dimensions in: mm [inch]

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