

F38 Series Filtered Terminal Blocks

SPECIFICATIONS

Ratings: 35A, 240Vac, 300Vdc.

Center Spacing: 0.437" or 7/16" (11.10mm)

Wire Size: # 10-22 AWG CU

Screw Size: # 8-32 (# 6-32 available, consult factory)

Torque Rating: 15 lb-in.

Operating Temperature: -55°C to +105°C.

Housing Material: 94V0 thermoplastic.

Molded Material: Black, UL rated 94V0 thermoplastic.

Terminal Material: Brass, tin-plated

Capacitance: 1000 pF to 5000 pF in either C or Pi Schematic

Dielectric Withstanding Voltage: 1000 Vac; 1700Vdc

DC Resistance: 0.01 ohms max.

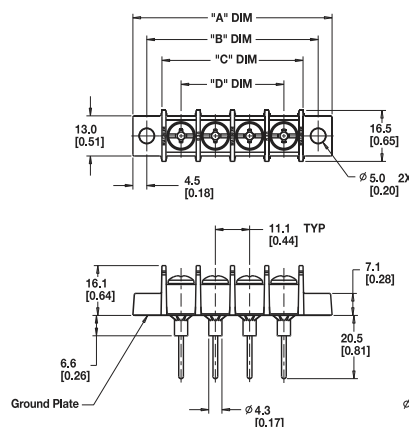
Agency Information: UL File E62622, CE Certified

# of Poles	A Front Mount	A Rear Mount	B	C	D
2	1.67	1.88	1.31	0.93	0.44
3	2.10	2.32	1.75	1.37	0.88
4	2.54	2.76	2.19	1.81	1.31
5	2.98	3.19	2.63	2.25	1.75
6	3.41	3.63	3.06	2.68	2.19
7	3.85	4.07	3.50	3.12	2.62
8	4.29	4.51	3.94	3.56	3.06

* Note: In inches. Available up to 16 poles. Consult factory.

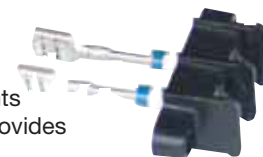
Dimensions - mm (in)

O - Front Panel Mount



FEATURES

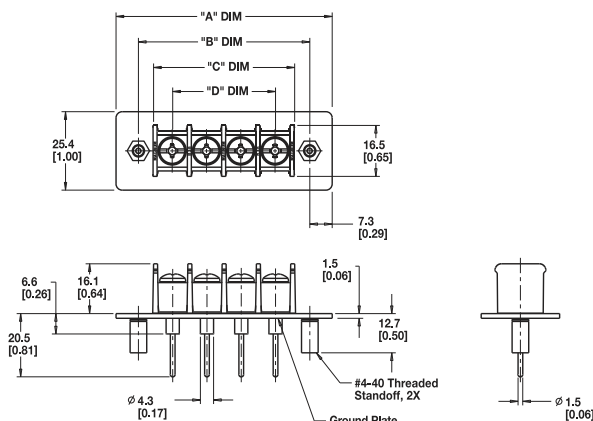
- Rugged integrated construction of filtering elements around a solid brass pin provides excellent EMI/RFI filtering
- Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines
- 2 to 8 terminals standard – up to 16 poles available
- Cost-effective EMI solution for industrial interconnection filtering
- Termination options are straight lead, male or female quick connect
- Custom and special options available including:
 - Different capacitance values on each position
 - Wire assemblies added to pins

Insertion Loss for 2,500 pF Pi Schematic
Typical Insertion Loss (dB) in 50 Ohm Circuit

30MHz	.42 dB	300 MHz	.68 dB
50 MHz	.45 dB	1000 MHz	.70 dB
100 MHz	.50 dB		

* Note: For other capacitance insertion loss, consult factory.

I - Rear Panel Mount



Part Numbering System

Inches (Millimeters)

Series	Terminal Style	Mounting	# of Poles	Screw Options	Filter Options	Capacitance
F38						
	0 - straight lead	0 - front panel mount with mount ends	02 to 08*	Blank - #8-32, steel, zinc-plated phillslot BHMS (standard)	C - C Filter	1.0 - 1000 pF + 100%-0%
	1 - 0.187" quick connect (male)	1 - rear panel mount with #4-40 threaded inserts		04 - #8-32, brass, nickel-plated phillslot BHMS	P - Pi Filter	2.5 - 2500 pF + 100%-0%
	2 - 0.187" quick connect (male)			92 - #8-32, steel, zinc-plated slotted BHMS		5.0 - 5000 pF + 100%-0%
	3 - 0.250" quick connect (male)			94 - #8-32, brass, nickel-plated slotted BHMS		
	4 - 0.250" quick connect (female)					

* Note: Standard is 02-08 poles. Available up to 16 poles. Consult factory for availability. Special electrical/mechanical configurations are available upon request from factory.