

Barrier Strip Filtered Terminal Blocks

The barrier strip filtered terminal block is designed provide excellent EMI/RFI filtering of AC and DC power lines and control lines. This terminal block is available in various sizes, with terminal for soldering or spade lugs. Application examples include filtering power supplies in telecommunications equipment, metering, industrial controls, instrumentation and EDP equipment.

Features

- UL recognized and CSA approved for DC voltages
- E133076, UL 1059
- LR92537, CSA STD 22.2 N°158-1987 and ECN584B
- Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines
- Rugged construction provides protection to filtering element; especially useful for repeated changes in wiring or field connections
- 2 to 6 terminals available (combine if larger number of terminals needed)
- Cost-effective solution for industrial interconnection EMI filtering problems
- Termination options available: straight lead, male or female disconnects, pigtail (12 AWG = 0.081" (2.05mm); 22 AWG = 0.025" (0.64mm))

Ordering Information

Example: **52-160-006-A AOO**

The part number shown represents a barrier strip terminal block with six terminals and rated for 20 Amps. Male disconnects (.250") are the method of termination.

52	-	160	-	006	-	A	-	AOO
		Barrier Strip Terminal Block			Number of Terminals			Current Rating
		160 - Front panel mount			002 - 2 terminals through			A - 20 Amps
		188 - Rear panel mount			006 - 6 terminals			

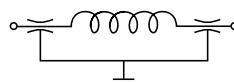
For instructions on soldering to filter terminals, please refer to page 105 in filter plate section.

For product with AC rating, consult factory for 52-257-Series product and request data sheet. Product UL/CSA recognized.



Specifications

ELECTRICAL



Pi Filter

Operating temperature:	-55° C to 105° C
Working voltage:	100VDC
Capacitance:	2,500 pF to 5,200 pF
Dielectric withstanding voltage:	1700VDC
Current rating:	20A
D.C. resistance:	.01 ohms max.

Typical Insertion Loss — dB: In 50 Ohm Circuit

30 MHz.....22	300 MHz.....70
50 MHz.....32	500 MHz.....75
100 MHz.....48	1000 MHz.....75

MECHANICAL

Center spacing:	.438" (11.1 mm)
Wire size:	AWG #12 max for 20A
Screw size:	20A - #6-32, zinc-plated philslot screws
Molded material:	Black, UL rated 94VO thermoplastic
Tightening torque:	9 in.-lbs. max.
Terminal:	Brass, tin-plated

AOO

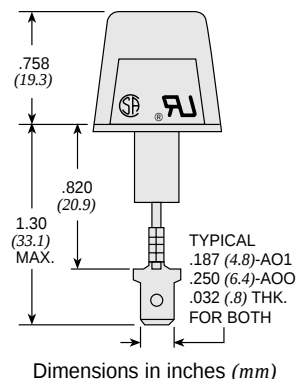
Special Terminations Code

Note: Leave blank if ordering standard product.

Male quick disconnects directly on terminal block.

AO1187 (4.8)

AOO250 (6.4)

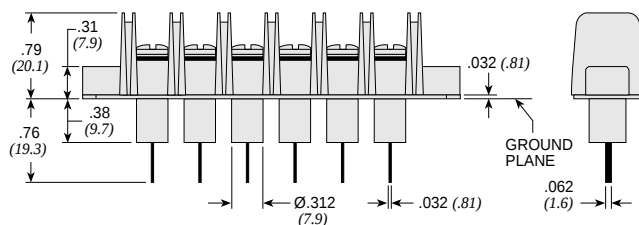
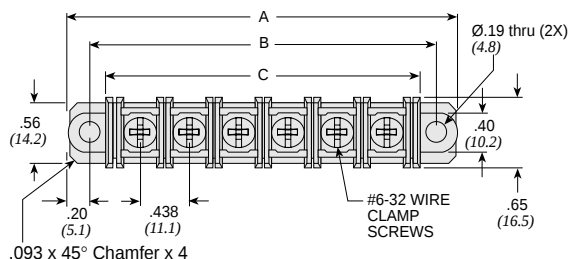


Dimensions in inches (mm)

For custom designs see page 124 and consult with factory.

Barrier Strip Filtered Terminal Blocks

Front panel mount



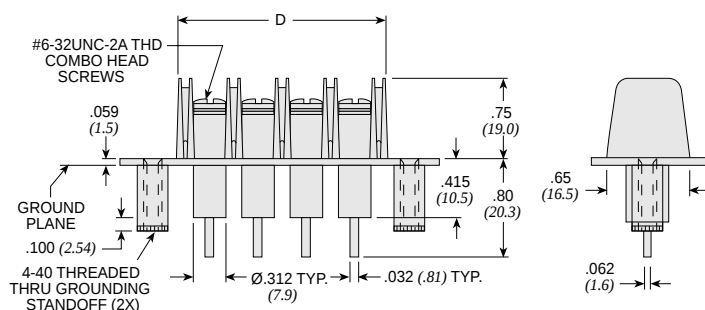
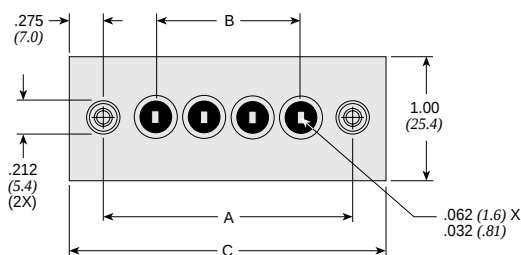
20 Amps

Dimensions in inches (mm)

Part Number	Number of Circuits	in. A (mm)	in. B (mm)	in. C (mm)
€ 52-160-002-A	2	1.71 (43.4)	1.31 (33.3)	1.02 (25.9)
52-160-003-A	3	2.15 (54.6)	1.75 (44.5)	1.46 (37.1)
52-160-004-A	4	2.59 (65.8)	2.19 (55.6)	1.90 (48.3)
52-160-005-A	5	3.02 (76.7)	2.62 (66.5)	2.32 (58.9)
52-160-006-A	6	3.46 (87.9)	3.06 (77.7)	2.77 (70.4)

€ Also available through Spectrum Control's authorized European distributors/agents.

Rear panel mount



20 Amps

Dimensions in inches (mm)

Part Number	Number of Circuits	in. A (mm)	in. B (mm)	in. C (mm)	in. D (mm)
52-188-002-A	2	1.31 (33.3)	.438 (11.1)	1.86 (47.3)	1.02 (25.9)
52-188-003-A	3	1.75 (44.4)	.875 (22.2)	2.30 (58.4)	1.46 (37.1)
52-188-004-A	4	2.19 (55.6)	1.313 (33.3)	2.74 (69.5)	1.90 (48.3)
52-188-005-A	5	2.62 (66.6)	1.750 (44.4)	3.17 (80.6)	2.32 (58.9)
52-188-006-A	6	3.06 (77.7)	2.188 (55.6)	3.61 (91.7)	2.77 (70.4)