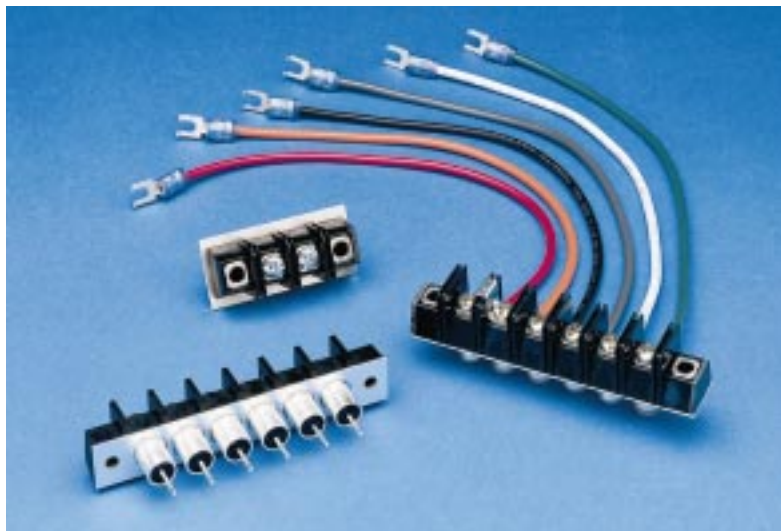


# FILTER TERMINAL BLOCKS

## DESCRIPTION



Amphenol introduces a UL recognized, CSA approved, 250 volt AC rated barrier strip filtered terminal block. This new terminal block provides excellent EMI/RFI filtering of AC and DC power and control lines. It operates at a steady state voltage of 250 VAC and current of 20A. Capacitance values range from 1000 pF to 5000 pF with male or female disconnects or pigtail.

Application examples include filtering power supplies in telecommunications equipment, metering, industrial controls, instrumentation and EDP equipment.

These terminal blocks are available in sizes from 2 positions or greater.

Special electrical/mechanical configurations are available upon request from factory.

## APPLICATIONS

This new terminal block is ideal for metering equipment, programmable controllers, industrial process control, heavy equipment controls, power supplies and regulators, surge sensing equipment, power factor correction, power

distribution equipment, telecommunications, power management, medical instrument applications, ATM, etc.

## FEATURES

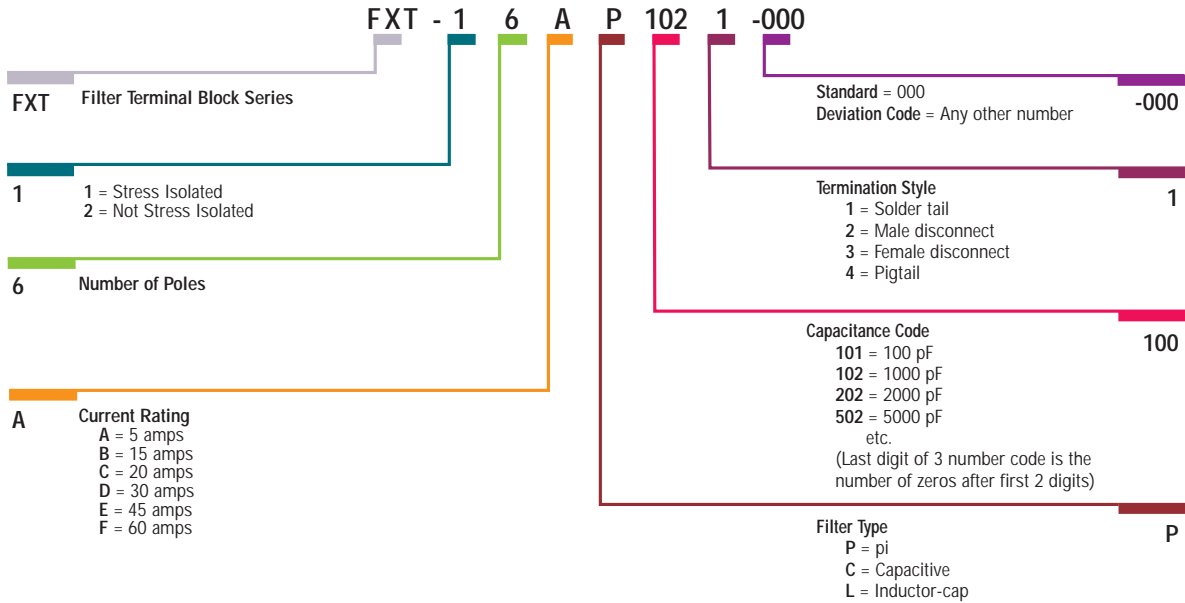
- Custom high reliability assemblies with varying cable lengths and terminations integrate with other functional devices to supply a complete turnkey assembly.
- UL recognized and CSA approved.
- Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines.
- Stress Isolated construction provides protection to filtering element; especially useful for repeated changes in wiring or field connections.
- Cost-effective solution for industrial interconnection EMI filtering problems.
- Termination options available; straight lead, spade, male or female disconnects, pigtail (12 AWG-22 AWG).
- 2 to 12 terminals in a single row available.
- Cost effective solution for backplane EMI leakage problems.
- 20 amp rating.

## PRODUCT SPECIFICATIONS

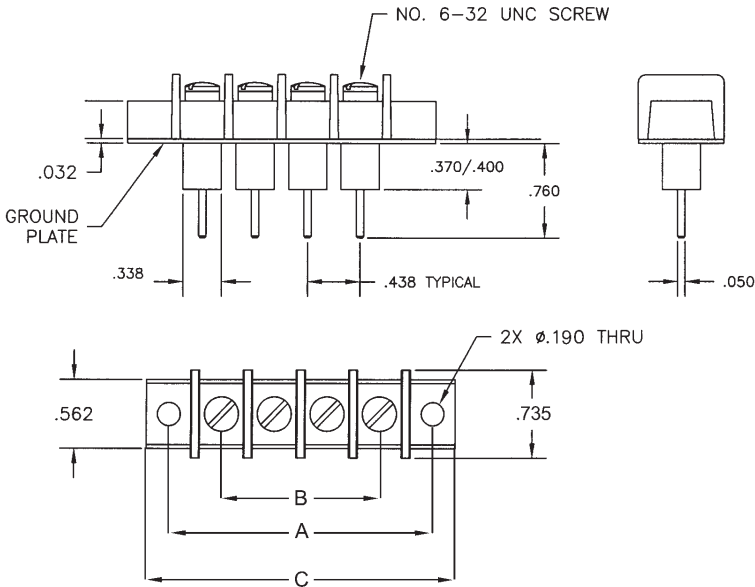
- Electrical Circuit: Pi
- Operating temperature: -55° C to 125° C
- Working voltage: 200VDC
- Typical capacitance: 2,500 pF + 100% -0%
- Dielectric withstanding voltage: 1700 VDC
- Current rating: 20A
- D.C. resistance: .01 ohms max.

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**Amphenol**

# ORDERING INFORMATION



# DIAGRAMS



Number of Terminals	A		B		C	
	Tol. ± .030 (±0.8)		Tol. ± .010 (±.25)		Tol. ±.030 (±0.8)	
2	1.312	(33.33)	.438	(11.11)	1.687	(42.86)
3	1.750	(44.45)	.875	(22.22)	2.125	(53.97)
4	2.187	(55.56)	1.312	(33.33)	2.562	(65.08)
5	2.625	(66.68)	1.750	(44.45)	3.000	(76.20)
6	3.062	(77.78)	2.187	(55.56)	3.437	(87.31)
7	3.500	(88.90)	2.625	(66.67)	3.875	(98.42)
8	3.937	(100.01)	3.062	(77.78)	4.312	(109.53)
9	4.375	(111.12)	3.500	(88.90)	4.750	(120.65)
10	4.812	(122.23)	3.937	(100.01)	5.187	(131.76)
11	5.250	(133.35)	4.375	(111.12)	5.625	(142.87)
12	5.687	(144.46)	4.812	(122.23)	6.062	(153.98)

# SPECIFICATIONS

## ELECTRICAL

Typical Insertion Loss —dB: In 50 Ohm Circuit		Capacitance code: 252 (2500 pF)	
30 MHz	..... 20	300 MHz	..... .60
50 MHz	..... 30	500 MHz	..... .70
100 MHz	..... 45	1000 MHz	..... .70

## MECHANICAL

Center spacing:	.438" (11.1 mm)
Wire size:	AWG #12 max for 20A
Screw size:	20A - #6-32, zinc-plated phillslot screws
Molded material:	Black, UL rated 94V0 thermoplastic
Tightening torque:	9 in. -lbs. max.
Terminal:	Brass, silver plate

**Amphenol**<sup>®</sup>  
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