

SERIES 97

10,16mm Eurostyle® High Power (fixed) Blocks

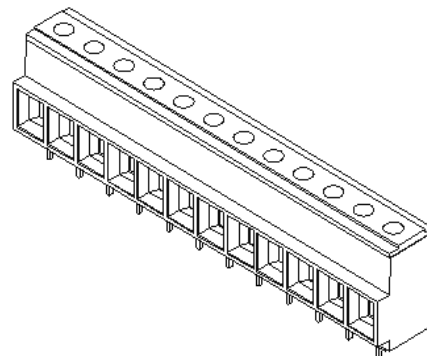
Description

These Eurostyle® terminal blocks are for permanent mounting to PC boards. Developed for AC Drive applications, they are optimized for maximum electrical conductivity and electrical voltage isolation. Their size is derived from the minimum line width and spacing for the electrical current capacity and isolation requirements of the associated PCB.

Made in the USA, all Eurostyle® terminal blocks embody the highest quality standards in the industry - using the finest materials and world class manufacturing processes. They meet or exceed all applicable industry standards.

Features

- **Specifically designed for high voltage**, wire insulation is completely shrouded by the deep wire funnel design to ensure no arcing between adjacent bare wires.
- **High temperature rating**. Our advanced polyamide polymer has a 130°C continuous service rating.
- **Holds wires for a secure, reliable contact**. The specially designed rising cage pressure clamp compresses wires uniformly. Serrations produce a high pressure, gas-tight interface.
- **Molded to length**. Unlike using many short lengths, they fit easily into PCB through-holes because there's no increase in pin-to-pin spacing.
- **High flammability rating**. 94V-0 is the highest available rating for the insulator - better than other leading brands.



PRODUCT RATINGS

UL Class B 60 Amps @ 600V 6 AWG
Class C 60 Amps @ 600 V 6 AWG

CSA 60 Amps @ 600 V 6 AWG

IEC 947-7-1 67 Amps @ 800 V 10mm²

APPROVALS

UL File No. E48521
Guide No. XCFR2
CSA File No. 025562

TECHNICAL SPECIFICATIONS

ELECTRICAL
DWV >6500 VDC
IR >5000 Gigaohms
Contact resistance <1 Milliohm initial

MECHANICAL
Tightening torque 7 in.-lbs.
Wire strip length 1/4" or 6,35mm
Wire Range 6 to 18 AWG

ENVIRONMENTAL
Continuous Use Temp
RTI electrical 115°C
RTI mechanical w/o impact 130°C

MATERIALS

Insulator Polyamide, UL94V-0, black
Pressure Clamp Brass, nickle plate
Contacts Copper alloy, bright tin dip
Screws M4 Steel, zinc chromate plate

OPTIONS

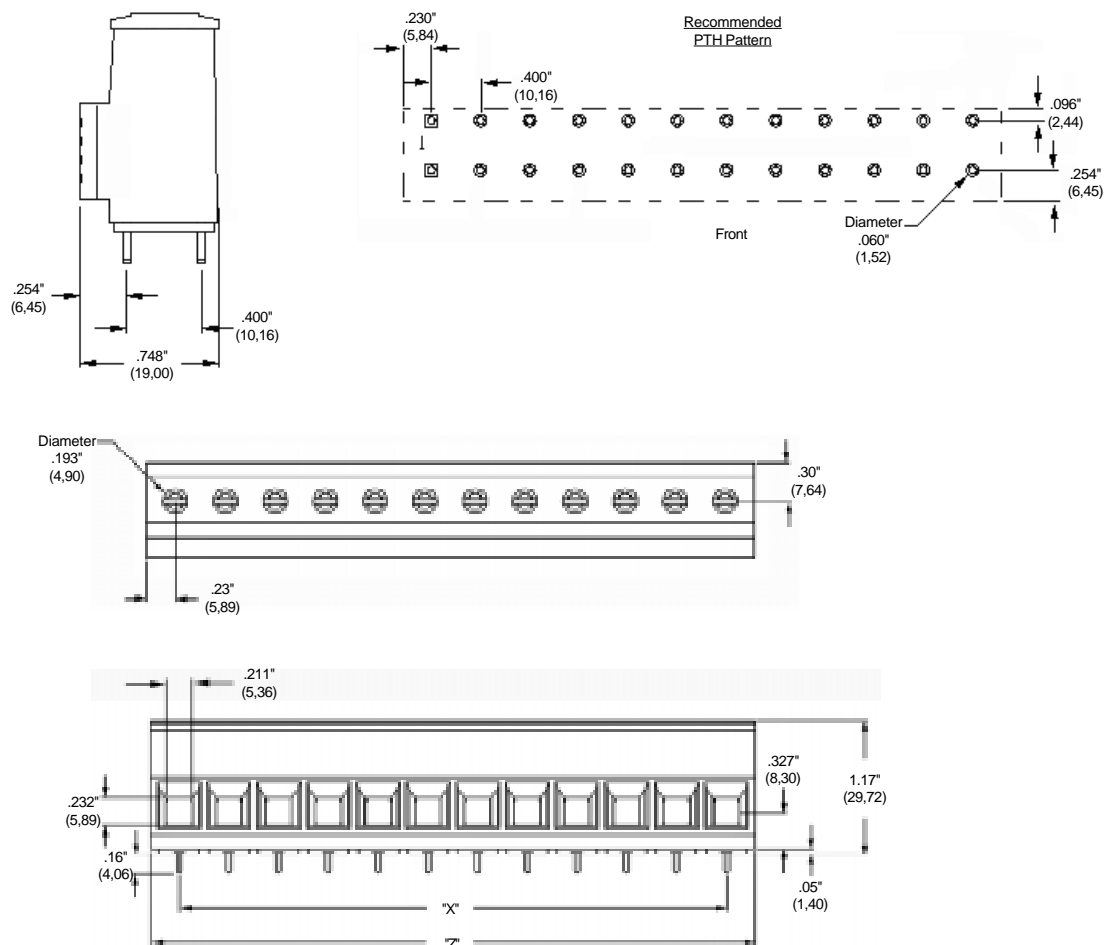
-10A Sequential numbering
-49 Brass screws

HOW TO ORDER

9	7	X	X	X	X	-	X	X
SERIES		STYLE		NO. OF		OPTIONS		
		05		POLES		(Dash#'s above)		
				2 to 12				

SERIES 97

Style 05



Part	X		Z	
Number	in	mm	in	mm
970502	.40	10,16	.86	21,84
970503	.80	20,32	1.26	32,00
970504	1.20	30,48	1.66	42,16
970505	1.60	40,64	2.06	52,32
970506	2.00	50,80	2.46	62,48
970507	2.40	60,96	2.86	72,64
970508	2.80	71,12	3.26	82,80
970509	3.20	81,28	3.66	92,96
970510	3.60	91,44	4.06	103,12
970511	4.00	101,60	4.46	113,28
970512	4.40	111,76	4.86	123,44