TERMINAL BLOCKS
RFI POWER LINE FILTERS
LIQUID LEVEL CONTROLS

CURTIS INDUSTRIES
A Div. of Powers Holdings, Inc.
"We Build Confidence!"

Home | Terminal Blocks | DIN Rail Blocks | PC Board Blocks | RFI Filters | Relay Sockets | Liquid Level Controls

Series E

Features

✓ **Compact Design** - Especially suited for electronic control and low power circuit applications up to 15 amps/300 volts.

✓ **Feed-Thru, Printed Circuit or Surface Connection** - One thru 22 terminals on 3/8" center-to-center spacing.

✓ **Barrier-Type construction** - Molded of durable black thermo-set phenolic or high impact, break resistant thermoplastic. Two .160" diameter integrally molded mounting holes.

✓ **Terminal Flexibility** - External terminals include two clamp designs to eliminate lugging and three quick-connect variations for up to six terminations per pole. Internal terminals include panel feed-thru, printed circuit, and insulated surface mount.

✓ **Wire Sizes** - No. 5-40 external terminal screws. UL recognized for No. 22AWG to No. 16AWG.

✓ **Standoffs** - EPX and EFTX are now supplied with .020" standoffs for ease in cleaning after soldering.
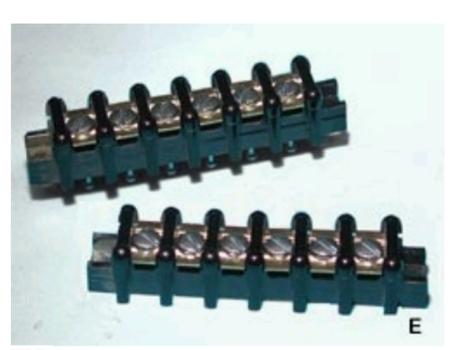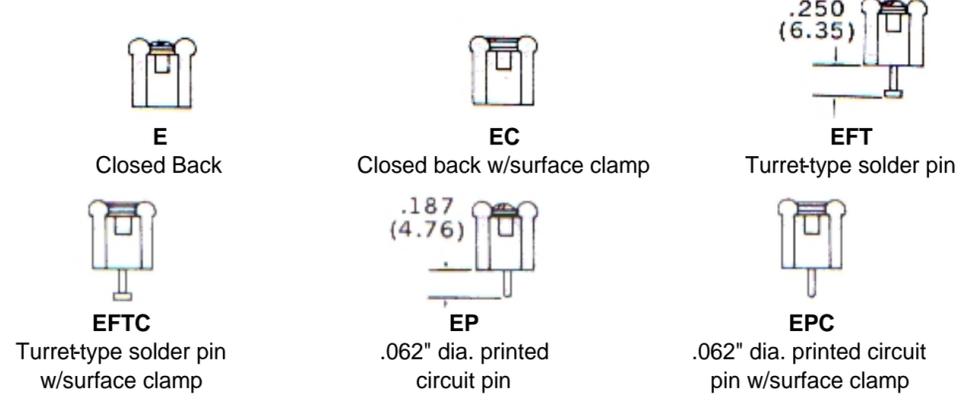

Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No.XCFR2, File No.E62557.

Guide No.184 -N-90, Report No.LR39186 -1.

Variations

E
Closed Back

EC
Closed back w/surface clamp

EFT
Turret-type solder pin

EFTC
Turret-type solder pin w/surface clamp

EP
.062" dia. printed circuit pin

EPC
.062" dia. printed circuit pin w/surface clamp

Internal Terminal Designations

E — Closed-back design which can be mounted on metal surface with no additional insulation required.

EP — Printed circuit board design with .062" dia. solderable tin-plated brass pin.

EFT — Panel feed-thru design with solderable tin-plated brass turret-type solder pin.

*Other material available - contact factory or your local representative for additional information.

External Terminal Designations

E — Simple, efficient clamp-type terminal with No. 5-40 plated steel* screw. Accets up to No. 16AWG wire.

EC — Internal and surface clamp terminal with No.5-40 plated steel* screw. Accepts up to No. 16AWG wire.

EFT, EP — No. 5-40 plated steel* screw accepting up to No. 14AWG wire.

EFTC, EPC — Surface clamp with No. 5-40 plated steel* screw accepting up to No. 16AWG wire.

Engineering Specifications

Center-to-Center Spacing:
3/8" (9.52mm)
Wire Range: UL recognized for No. 22AWG to No. 16AWG.
Number of Terminals: 1 thru 22
Voltage Rating: UL & CSA -
150 volts - General Industrial
250 volts - Commercial Appliance
Current Rating: 15 amps. UL.
Terminals: Tin-plated brass with brass clips and clamps. Stainless steel clips/clamps also available.
Tightening Torque:
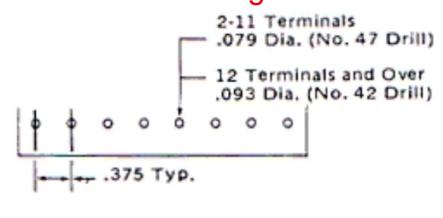Wire Binding Screw — 12 in.-lb.
Wire Clamp — 20 in.-lb

NOTE: Specifications contained herein are subject to change without notice.

Housing:		"X" Grade
Material	Phenolic	Polyphenylene Oxide
Continuous Use Temp. (UL Index)	150°C (302°F)	110°C (230°F)
Flammability Rating	94V-0	94V-0
Water Absorption (24hrs. % wt. gain)	.05%	.05%
Chemical Resistance	Resistant to most organic solvents.	Resistant to in-organic bases and acids - for organic substances contact factory for specific resistance.

Breakdown Voltage
Terminal - Terminal — 5,400V Typ.
Terminal - Ground — 7,400V Typ.

P.C. Board Drilling Directions

2-11 Terminals
.079 Dia. (No. 47 Drill)
12 Terminals and Over
.093 Dia. (No. 42 Drill)
.375 Typ.

Dimensions

*Standoff Terminal
.062 Dia. (1.57)
.187 (4.76)
.162 (14.28)

.437 (11.11)
O.D. .043 Dia. Hole (1.09)
M.D.
.343 (8.73)
.687 (17.46)
.375 (9.52)
.375 (9.52)
.160 Dia. Mtg. Hole (4.06)
No. 5-40 Terminal Screw
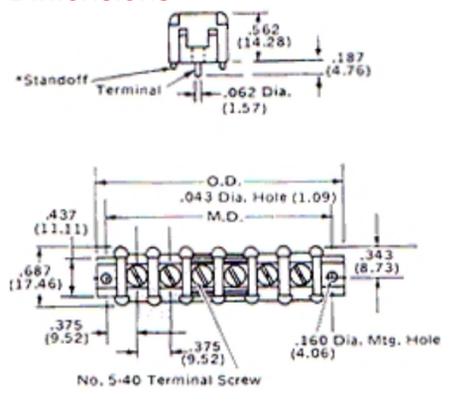
NOTE: mm dim. are shown in parentheses.

No. of Terminals	Mounting Dimensions		Overall Dimensions		Less Mounting Positions	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	.750	19.05	1.000	25.40	.562	14.28
2	1.125	28.57	1.375	34.92	.937	23.81
3	1.500	38.10	1.750	44.45	1.312	33.33
4	1.875	47.62	2.125	53.97	1.687	42.86
5	2.250	57.15	2.500	63.50	2.062	52.38
6	2.625	66.67	2.875	73.02	2.437	61.91
7	3.000	76.20	3.250	82.55	2.812	71.43
8	3.375	85.72	3.625	92.07	3.187	80.96
9	3.750	95.25	4.000	101.60	3.562	90.48
10	4.125	104.77	4.375	111.12	3.937	100.01
11	4.500	114.30	4.750	120.65	4.312	109.53
12	4.875	123.82	5.125	130.17	4.687	119.06
13	5.250	133.35	5.500	139.70	5.062	128.58
14	5.625	142.87	5.875	149.22	5.437	138.11
15	6.000	152.40	6.250	158.75	5.812	147.63
16	6.375	161.92	6.625	168.27	6.187	157.16
17	6.750	171.45	7.000	177.80	6.562	166.68
18	7.125	180.97	7.375	187.32	6.937	176.21
19	7.500	190.50	7.750	196.85	7.312	185.73
20	7.875	200.02	8.125	206.37	7.687	195.26
21	8.250	209.55	8.500	215.90	8.062	204.78
22	8.625	219.07	8.875	225.42	8.437	214.31

How to Order

E Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application.
Example: A Type E 10-pole block becomes stock number E -10.

Suffixes are used as follows:

R — Denotes model less mounting positions
X — Denotes model with thermoplastic molding

The E-10 described above less mounting positions thus converts to stock number ER -10.

*The EPX and EFTX are made with .020" standoffs for ease in cleaning after the soldering operation.

Click here for accessories