Terminal BlocksV2_Terminal Blocks.qxd 13-08-30 4:20 PM Page 1

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SECTION C
TERMINAL BLOCKS

Terminal Blocks

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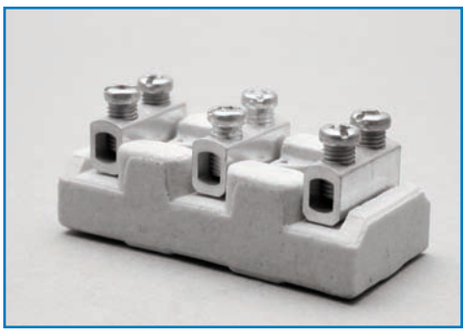
TERMINAL BLOCKS FOR APPLIANCE APPLICATIONS

270AL - Three Pole Terminal Block

- Porcelain base suitable for high heat applications
- Aluminum connectors are tin plated for use with 12-8 AWG Copper wire
- 1/4 – 28 combination head terminal screws for easier wiring
- Robertson driver No. 2 (RED) Cadmium Dichromated screws on the outside terminals
- Cadmium Dichromated screws on the middle connector for easy identification of neutral position
- Flush mounting on 1" centres with 2 slotted 5/16" x 7/32" holes
- This block is ideally suited for electric ranges, ovens and industrial heaters

Rating: 70A 250V



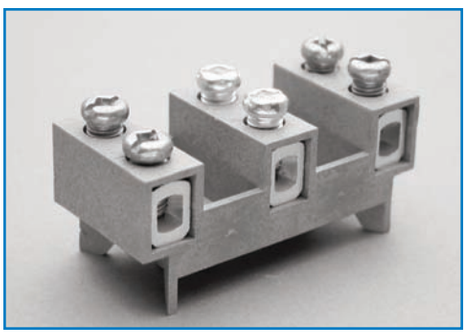
270AL-2 - Two Pole Terminal Block

- As above, but only two pole with no marked terminal.

273 - Three Pole Terminal Block

- Self-extinguishing NORYL high heat plastic base
- Aluminum connectors are tin plated for use with 12-8 AWG copper/aluminum wire
- 1/4 – 28 combination head terminal screws for easier wiring
- Robertson driver No. 2 (RED) Cadmium Dichromated screws on the outside terminals
- Cadmium Dichromated screws on the middle connector for easy identification of neutral position
- Flush mounting on 1" centres with 2 slotted 5/16" x 7/32" holes

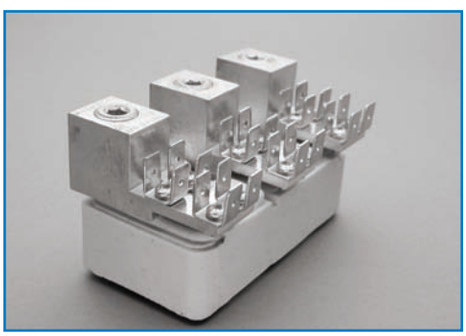
Rating: 70A 250V



1-1503 - Three Pole Terminal Block

- Porcelain base suitable for high heat applications
- Aluminum connectors are tin plated for use with 6 – 3/0 AWG copper/aluminum wire
- Eight .250" x .032" male quick connect terminals per pole are provided to speed up wiring
- Flush mounting on 1-1/4" centres with 2 slotted 5/16" x 7/32" holes
- This block is ideally suited for use in electric furnaces, heat pumps and industrial heaters

Rating: 165A 600V



1-1503-2 - Two Pole Terminal Block

- As above, but only two pole.

EUROPEAN PILLAR STYLE TERMINAL BLOCKS

European Pillar Style Terminal Blocks

General Information: These screw terminal strips are used for connecting stranded or solid wires, ranging from 22-8 AWG, depending on the product selected. Each strip has 12 circuits and can easily be cut to the required number of poles. Standard 12 pole blocks can be supplied in cut sections 1 – 12 way at an extra charge. For a section which is not an equal division of 12, a surplus will be charged.

A mounting hole is provided between every pole. The screws are protected against working loose and are backed out for easy wiring. All the metal parts of these blocks are captive and completely recessed and have a dead front design to ensure safety and prevent short circuiting.

All of these blocks are available with a wire protector spring, by adding the suffix –DS to the part number, which prevents damage to the wire from the turning screw. In addition, there is a built-in centre stop to prevent the overlapping of wires.

For proper circuit identification, single or double width marking strips are available, which can easily be marked with a felt-tip pen.

Materials:

- Insulating Body: Polyamide 6, self-extinguishing to UL 94, colour natural, tracking resistance KB>600 to DIN 53480
- Rated Temperature: 110°C, short period 180°C; cold resistance to -40°C
- Clamping Part: Brass Nickel Plated
- Clamping Screw: Chrome Plated Steel M 2.6-5
- Wire Protection Spring: Stainless Steel or Phosphor Bronze

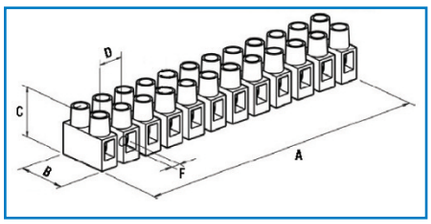


FIGURE A

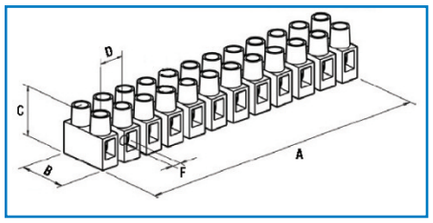


FIGURE B

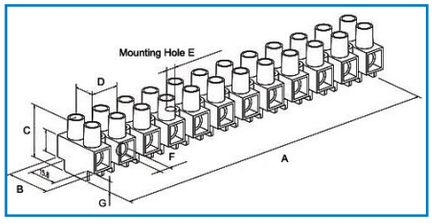
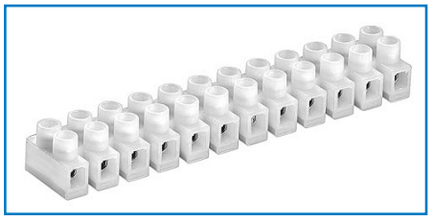
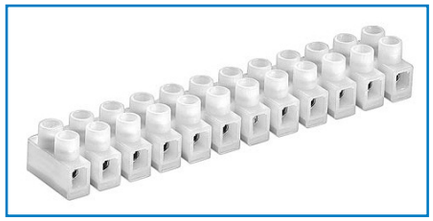
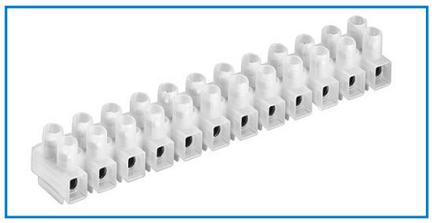


FIGURE C





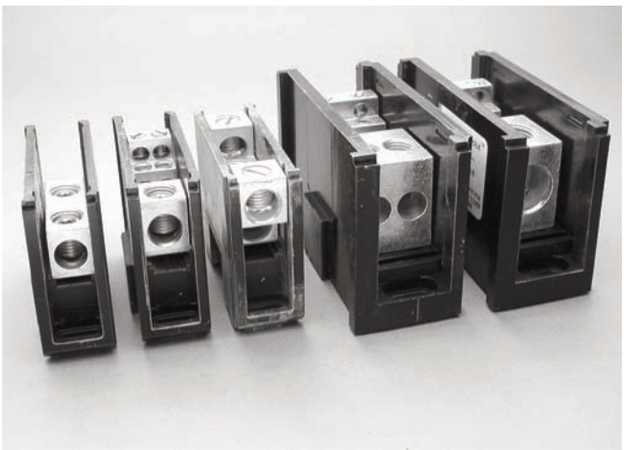


Model	Approvals	Wire Range	Figure	Ratings	Mounting Hole E	Screw	Dimensions(mm)					
							A	B	C	D	F	G
EKL0EFPADS	cULus	22-14 AWG	B	20A / 300V	2.8	M2.6	93.6	16.2	15.4	8.0	2.8	--
EKL1BEF3.5PADS	cULus	20-12 AWG	C	30A / 300V	3.5	M3	117	18.6	18.5	10.0	3.6	3.5
EKL2EF3.5PADS	cULus	14-10 AWG	C	35A / 300V	3.6	M3.5	132.7	22.2	20.8	11.5	4.2	3.5
EKL3EFM4PADS	cULus	14-8 AWG	C	50A / 600V	5.2	M4	178.9	25.2	26.3	15.0	5.8	5.5
PA8-12*	cULus	22-12 AWG	A	7A / 300V	--	M2.6x5	96.20	17.00	14.50	8.20	3.3+-0.1	--
PA8-12-DS	cULus CSA	22-12 AWG	A	10A / 300V	--	M2.6x5	96.20	17.00	14.50	8.20	2.8+-0.1	--
PA10-12	cULus CSA	22-10 AWG	A	20A / 300V	--	M3.0x6	117.2	20.20	16.80	10.00	3.4+-3.4	--
PA10-12-DS	cULus CSA	18-14 AWG	A	20A / 300V	--	M3.0x6	117.2	20.20	16.80	10.00	3.4+-3.4	--
PA12-12	cULus	22-10 AWG	A	35A / 300V	--	M3.5x7	140.7	23.80	19.00	12.00	4.2+-4.2	--
PA12-12-DS	cULus	22-8 AWG	A	35A / 300V	--	M3.5x7	140.7	23.80	19.00	12.00	4.2+-4.2	--

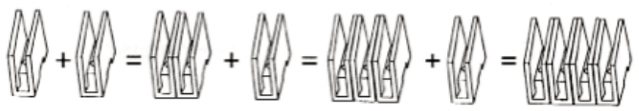
* Economy 85°C

TECHNICAL DATA FOR POWER DISTRIBUTION BLOCKS

Add-A-Pole Power Distribution Blocks



Modular Power Distribution Block System



- Versatile
- 90° C Rated
- Underwriters Recognized
- 14 AWG To 1000 MCM
- Handles Copper and/or Aluminum Wire
- Rated for up to 600 volts
- Wide Wire Ranges
- High-Impact, Extra-Strong Bases

Moulded Glass-Filled Polyester Insulator Block

Thermal:

Heat Distortion Temperature: 264 psi: 500+°F
Flame Resistance – UL 94 (File No. E27601):
- 1/4": 94V-0
- 1/8": 94V-0
- 1/16": 94V-0

Mechanical/Physical:

Flexural Strength: 16,000 - 20,000 psi
Compressive Strength: 24,000 - 28,000 psi
Tensile Strength: 6,000 - 8,000 psi
Impact Strength, Notch Izod: 2.0 – 4.0 ft-lb/in
Water Absorption, 24 hours, 23°C: 0.14%
Hardness, Barcol: 40-50

Electrical:

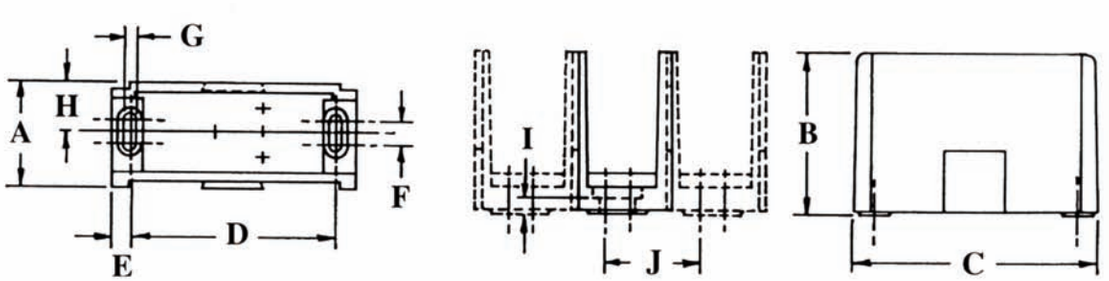
Arc Resistance: 190 sec
Comparative Tracking Index: 500+ volts
Inclined Plane Track Resistance, 2.5 kv: 900+ minutes
Dielectric Strength, Short Time: 350 volts/mil
Dielectric Constant, 60 Hz: 5.5
Dissipation Factor, 60 Hz: 0.008

Material: Cyglass 605

Connector body made of high strength, high conductive aluminum alloy, tin plated using ALSTAN 70 Process.

Base moulded from glass-filled polyester guaranteeing ultimate strength and best possible electrical insulating properties.

Detailed Dimensions

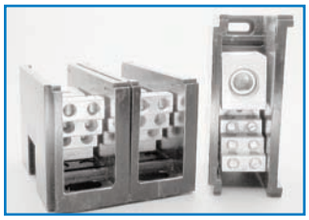


SIZE	A	B	C	D	E	F	G	H	I	J
SMALL	1.04	2.34	2.90	2.53	.18	.35	.20	.46	.19	6.25/1.250
MEDIUM	1.71	2.62	4.00	3.50	.25	.37	.20	.79	.20	1.250/1.875
LARGE	2.90	3.25	5.50	5.00	.25	.50	.27	1.388	.28	2.250/3.250

POWER DISTRIBUTION BLOCKS

Power Distribution Blocks - Aluminum - 600 VAC Rated - Single Primary/Multiple Secondary

AS-K1-H6



AM-P1-H6

ITEM NUMBER	CONNECTOR				SIZE	DIMENSIONS			AMPERES PER POLE
	LINE SIDE		LOAD SIDE			LENGTH	WIDTH	HEIGHT	
AS-K1-H4	2/0-14 AWG		4-14 AWG		S	2.90”	1.04”	2.34”	175
AS-K1-H6	2/0-14 AWG		4-14 AWG		S	2.90”	1.04”	2.34”	175
AM-P1-H6	350 MCM-6 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	310
AM-P1-H8	350 MCM-6 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	310
AM-P1-H12	350 MCM-6 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	310
AM-R1-H12	500 MCM-6 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	310
AL-R1-M4	500 MCM-4 AWG		4/0-6 AWG		L	5.50”	2.90”	3.25”	380
AL-P1-K6	350 MCM-6 AWG		2/0-14 AWG		L	5.50”	2.90”	3.25”	310
AL-R1-K6	500 MCM-4 AWG		2/0-14 AWG		L	5.50”	2.90”	3.25”	310
AL-V1-K6	1000 MCM - 250 MCM		2/0-14 AWG		L	5.50”	2.90”	3.25”	545
AL-V1-H12	1000 MCM - 250 MCM		4-14 AWG		L	5.50”	2.90”	3.25”	545

Power Distribution Blocks - Aluminum - 600 VAC Rated - Double Primary/Multiple Secondary

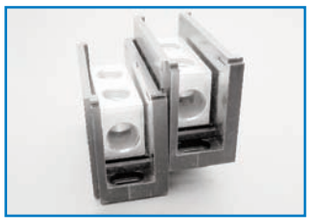
AS-K2-H6

AM-K2-H6

ITEM NUMBER	CONNECTOR				INSULATOR CAT. NO.	DIMENSIONS			AMPERES PER POLE
	LINE SIDE		LOAD SIDE			LENGTH	WIDTH	HEIGHT	
AS-K2-H6	2/0-14 AWG		4-14 AWG		S	2.90”	1.04”	2.34”	350
AM-K2-H6	2/0-14 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	350
AM-K2-H8	2/0-14 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	350
AM-K2-H12	2/0-14 AWG		4-14 AWG		M	4.00”	1.71”	2.62”	350
AM-K2-I6	2/0-14 AWG		2-14 AWG		M	4.00”	1.71”	2.62”	350
AL-P2-H12	350MCM-6 AWG		4-14 AWG		L	5.50”	2.90”	3.25”	620
AL-P2-K6	350MCM-6 AWG		2/0-14 AWG		L	5.50”	2.90”	3.25”	620
AL-R2-H12	500MCM-4 AWG		4-14 AWG		L	5.50”	2.90”	3.25”	760
AL-R2-K6	500MCM-4 AWG		2/0-14 AWG		L	5.50”	2.90”	3.25”	760
AL-R2-M4	500MCM-4 AWG		4/0-6 AWG		L	5.50”	2.90”	3.25”	760

SPLICERS / REDUCERS
DOUBLE ROW TERMINAL BLOCKS

Splicers/Reducers - Aluminum - 600 VAC Rated



AM-P1-P1

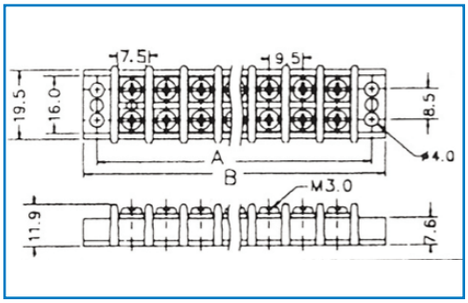
AS-K2-K2

ITEM NUMBER	CONNECTOR				INSULATOR CAT. NO.	DIMENSIONS			AMPERES PER POLE
	LINE SIDE		LOAD SIDE			LENGTH	WIDTH	HEIGHT	
AS-I1-I1	2-14 AWG		2-14 AWG		S	2.90”	1.04”	2.34”	115
AS-K1-K1	2/0-14 AWG		2/0-14 AWG		S	2.90”	1.04”	2.34”	175
AM-N1-N1	250 MCM-6 AWG		250 MCM-6 AWG		M	4.00”	1.71”	2.62”	310
AM-P1-P1	350 MCM-6 AWG		350 MCM-6 AWG		M	4.00”	1.71”	2.62”	350
AM-R1-R1	500 MCM-6 AWG		500 MCM-6 AWG		M	4.00”	1.71”	2.62”	380
AS-K2-K2	2/0-14 AWG		2/0-14 AWG		S	2.90”	1.04”	2.34”	350
AL-P2-P2	350 MCM-6 AWG		350 MCM-6 AWG		L	5.50”	2.90”	3.25”	620
AL-R2-R2	500 MCM-6 AWG		500 MCM-6 AWG		L	5.50”	2.90”	3.25”	760

TB100 Series Double Row Terminal Blocks

ITEM NUMBER	NUMBER OF POLES	OA LENGTH	MOUNT CC
TB100-02	2	1.40”	1.12”
TB100-03	3	1.78”	1.50”
TB100-04	4	2.16”	1.88”
TB100-05	5	2.53”	2.25”
TB100-06	6	2.90”	2.62”
TB100-07	7	3.28”	3.00”
TB100-08	8	3.66”	3.38”
TB100-09	9	4.03”	3.75”
TB100-10	10	4.40”	4.12”
TB100-11	11	4.78”	4.50”
TB100-12	12	5.16”	4.88”

TB100



TB100 Series

- 10 Amp/300 Volt
- ⅜" Centre-to-Centre
- #6-32 Philslot Screw Terminal
- Maximum Wire Size: #14 AWG

DOUBLE ROW TERMINAL BLOCKS

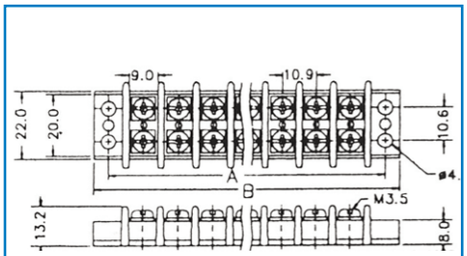
TB200 Series Double Row Terminal Blocks

ITEM NUMBER	NUMBER OF POLES	OA LENGTH	MOUNT CC
TB200-02	2	1.63”	1.31”
TB200-03	3	2.07”	1.75”
TB200-04	4	2.51”	2.18”
TB200-05	5	2.94”	2.62”
TB200-06	6	3.38”	3.06”
TB200-07	7	3.82”	3.50”
TB200-08	8	4.25”	3.93”
TB200-09	9	4.69”	4.37”
TB200-10	10	5.13”	4.81”
TB200-11	11	5.57”	5.25”
TB200-12	12	6.00”	5.68”

TB200

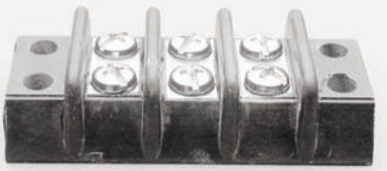
TB200 Series

- 20 Amp/300 Volt
- 7/16" Centre-to-Centre
- #6-32 Philslot Screw Terminal
- Maximum Wire Size: #12 AWG



TB300 Series Double Row Terminal Blocks

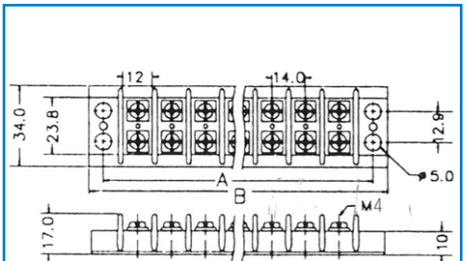
ITEM NUMBER	NUMBER OF POLES	OA LENGTH	MOUNT CC
TB300-02	2	2.13”	1.68”
TB300-03	3	2.69”	2.25”
TB300-04	4	3.25”	2.81”
TB300-05	5	3.81”	3.37”
TB300-06	6	4.37”	3.93”
TB300-07	7	4.94”	4.50”
TB300-08	8	5.50”	5.06”
TB300-09	9	6.06”	5.62”
TB300-10	10	6.62”	6.18”
TB300-11	11	7.18”	6.75”
TB300-12	12	7.75”	7.31”



TB300

TB300 Series

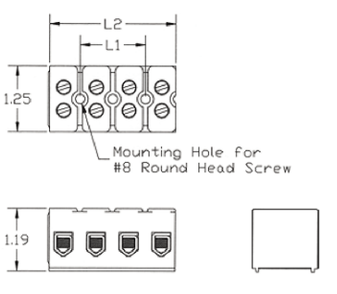
- 30 Amp/300 Volt
- 9/16" Centre-to-Centre
- #8-32 Philslot Screw Terminal
- Maximum Wire Size: #10 AWG



DOUBLE ROW TERMINAL BLOCKS

B Series Double Row Terminal Blocks

ITEM NUMBER	NUMBER OF POLES	OA LENGTH(**L2**)	MOUNT CC(**L1**)
B-02	2	1.19”	---
B-03	3	1.81”	0.625”
B-04	4	2.44”	1.250”
B-05	5	3.06”	1.875”
B-06	6	3.69”	2.500”
B-07	7	4.31”	3.125”
B-08	8	4.94”	3.750”
B-09	9	5.56”	4.375”
B-10	10	6.19”	5.000”
B-11	11	6.84”	5.625”
B-12	12	7.46”	6.250”

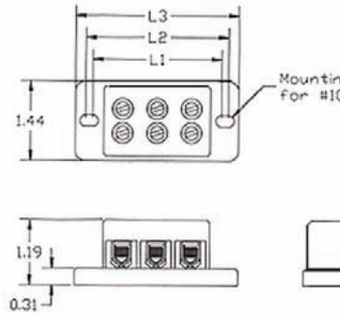


B Series

- 85 Amp/600 Volt
- Temperature Range: -30°C to 150°C
- Slot Screw Terminal
- Screw Tightening Torque: 20 Inch-Pounds
- Maximum Wire Range: #18 AWG to #4 AWG
- Wire Strip Length: 3/8 Inch

C Series Double Row Terminal Blocks

ITEM NUMBER	NUMBER OF POLES	(**L1**)	(**L2**)	OA LENGTH(**L3**)
C-02	2	2.33”	2.59”	2.96”
C-03	3	2.33”	2.59”	2.96”
C-04	4	2.96”	3.22”	3.59”



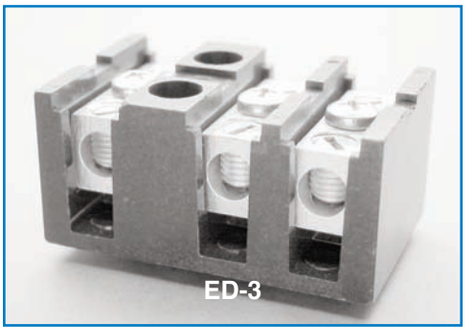
C Series

- 85 Amp/600 Volt
- Temperature Range: -30°C to 130°C
- Screw Tightening Torque: 20 Inch-Pounds
- Maximum Wire Range: #18 AWG to #4 AWG
- Wire Strip Length: 3/8 Inch

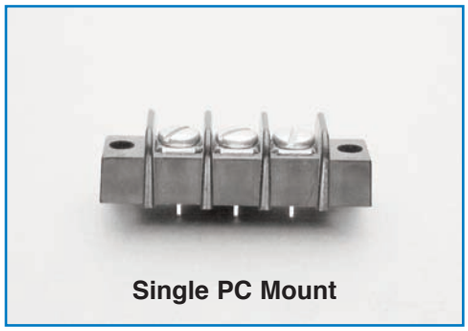
MISCELLANEOUS TERMINAL BLOCK

Miscellaneous Terminal Blocks

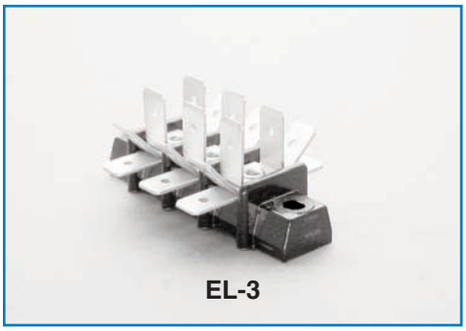
Miscellaneous Terminal Blocks Available Upon Request:



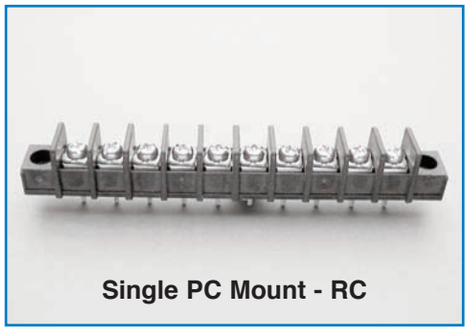
ED-3



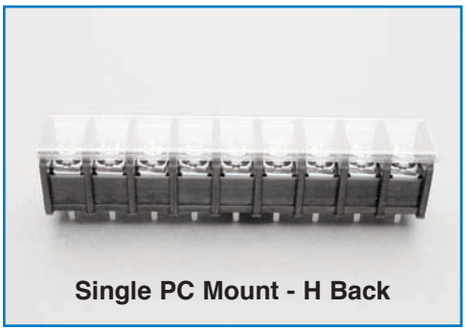
Single PC Mount



EL-3



Single PC Mount - RC



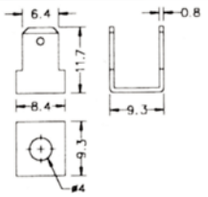
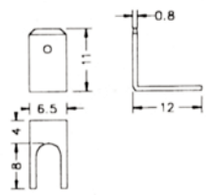
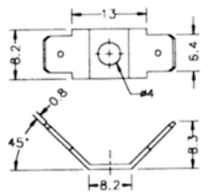
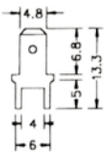
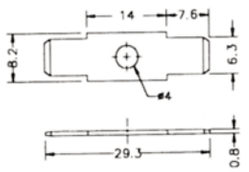
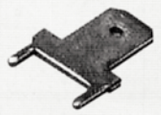
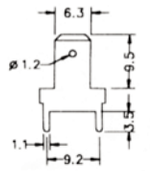
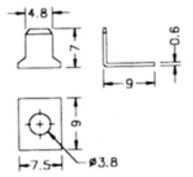
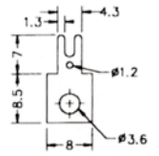
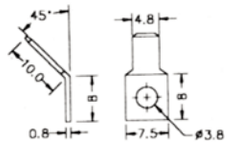
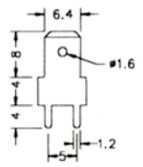
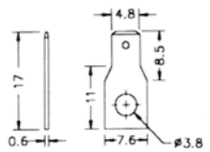
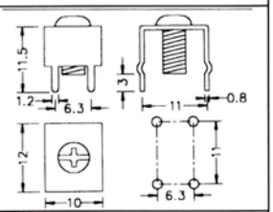
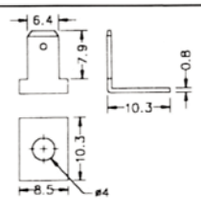
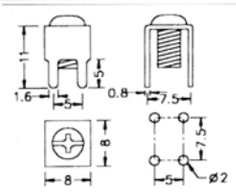
Single PC Mount - H Back

Single PC Mount - C Back

Jumpers, single row blocks, high barrier blocks and marking strips are also available upon request.

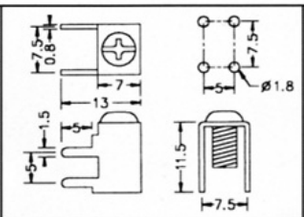
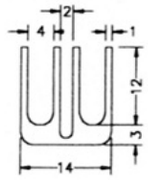
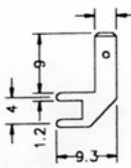
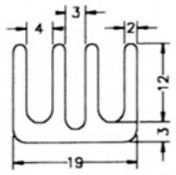
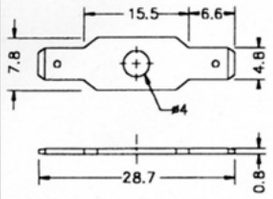
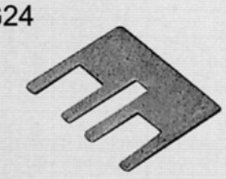
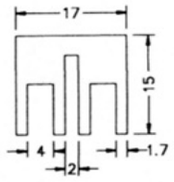
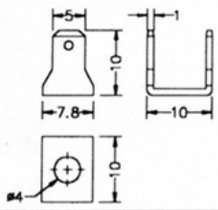
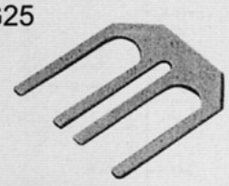
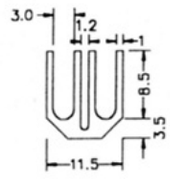
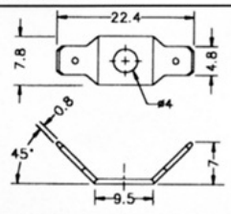
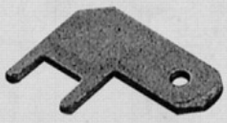
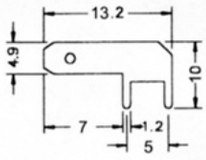
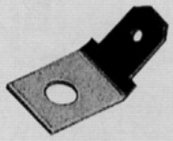
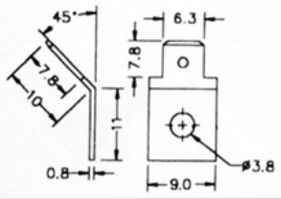
Copper Contact Series

G Series Copper Contacts:

G1		G8	
G2		G9	
G3		G10 	
G4		G11	
G5		G12	
G6		G13	
G7		G14	

COPPER CONTACTS

Copper Contact Series

G15		G22	
G16		G23	
G17		G24 	
G18		G25 	
G19			
G20 			
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