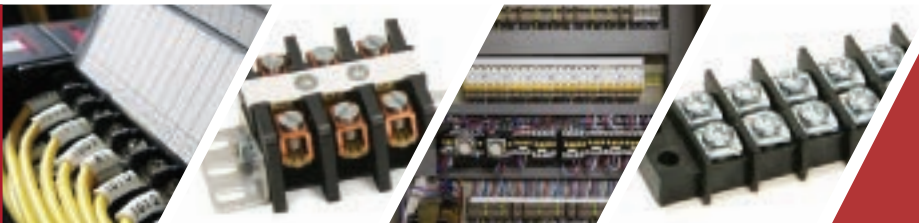
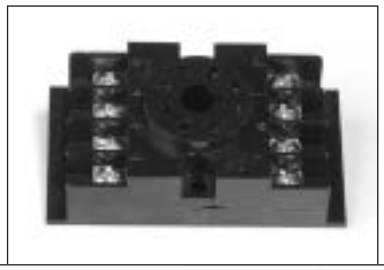
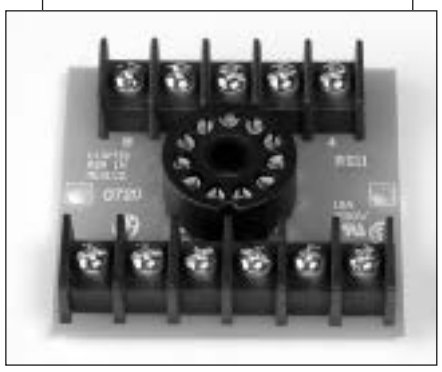
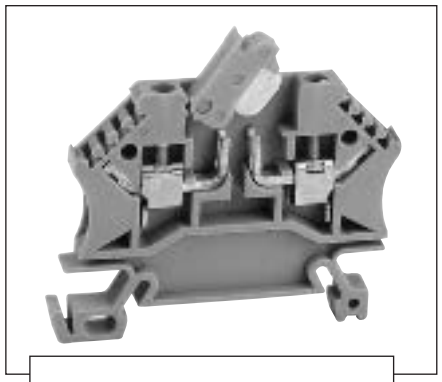
Innovative Engineering Solutions



Curtis Industries
A Div. of Powers Holdings, Inc.







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Curtis Industries Terminal Block Selection Guide

Barrier Style

Series/ Type	TERMINAL SPACINGS: Center-to-Center Spacing	TERMINAL SPACINGS: Wire Range (AWG)	TERMINAL SPACINGS: Number of Terminals	TERMINAL TYPES: Feed-Thru (Fully Insulated)	TERMINAL TYPES: Feed Thru	TERMINAL TYPES: Printed Circuit	TERMINAL TYPES: Surface (Fully Insulated)	RATING: Voltage (Varies with Application) see specifications	RATING: Current (Amps)	HOUSING: (Black) Phenolic *150°C (302°F)	HOUSING: Polyphenylene •110°C (230°F)	HOUSING: Thermoplastic-Poly *140°C (284°F)	HOUSING: Flammability	AGENCY Approvals: UL Recognition	AGENCY Approvals: CSA Certified	Catalog Page Number
SE/SEI	.250" (1/4") (6.35mm)	22 to 16	1 thru 26	•	•	•	•	250V	5		•		94V-0	•	•	6
32500	.325" (8.25mm)	22 to 14	1 thru 26		•	•	•	300V	15		•		94V-0	•	•	8
37000/ 38000	.375" (3/8") (9.52mm)	22 to 12	1 thru 26	•	•	•		300V	20		•		94V-0	•	•	10
CB/CFT	.375" (3/8") (9.52mm)	22 to 12	1 thru 26	•	•	•	•	600V	20			•	94V-0	•	•	16
43000	.4375" (7/16") (11.11mm)	22 to 12	1 thru 26	•	•	•	•	600V	30		•		94V-0	•	•	20
GFT/GB	.4375" (7/16") (11.11mm)	22 to 12	1 thru 26	•	•	•	•	600V	20	•	•		94V-0	•	•	24
1500	.375" (3/8") (9.52mm)	22 to 10	1 thru 22		•	•	•	300V	30		•		94V-0	•	•	28
2000	.4375" (7/16") (11.11mm)	22 to 10	1 thru 26		•	•	•	300V	20		•		94V-0	•	•	30
M	.50" (1/2") (12.7mm)	22 to 12	1 thru 24				•	300V	15	•			94V-1	•	•	34
5600	.563" (9/16") (14.29mm)	22 to 8	1 thru 22		•		•	600V	15-50	•			94V-0	•	•	36

Barrier Style High Voltage

Series/ Type	TERMINAL SPACINGS: Center-to-Center Spacing	TERMINAL SPACINGS: Wire Range (AWG)	TERMINAL SPACINGS: Number of Terminals	MOUNTING METHOD: Surface	MOUNTING METHOD: Snap-in Track Modular Assembly	RATING: Voltage	RATING: Current (Amps)	HOUSING: (Black) Phenolic *150°C (302°F)	HOUSING: Thermoplastic-Poly *130°C (266°F)	HOUSING: Polyamide (Nylon) *125°C (257°F)	HOUSING: Flammability	AGENCY Approvals: UL Recognition	AGENCY Approvals: CSA Certified	Catalog Page Number
SW/ DSW	.375" (3/8") (9.52mm)	22 to 8	2 thru 192		•	600V	25-50			•	94V-2	•	•	38
W	.4375" (7/16") (11.11mm)	22 to 4	2 thru 164		•	600V	75	•			94V-1	•	•	40
CDM	.547" (35/64") (13.86mm)	22 to 10	1 thru 50	•		600V	30		•		94V-0	•	•	42
71000	.629" (15.97mm)	22 to 1	2 thru 6		•	600V	86		•		94V-0	•	•	44
H/BT	.652" (16.56mm)	H - 16 to 4 BT - 22 to 10	1 thru 30	•		600V	75-30		•		94V-0	•	•	46
T/U	1.16" (29.46mm)	T - 6 to 1/0 U - 6 to 250 MCM	1 thru 6	•		600V	125-250	•			94V-1	•	•	48
L	1.16" (29.46mm)	Up to 1	1 thru 12	•		600V	100	•			94V-1	•	•	50
O	1.86" (47.24mm)	Up to 1/0	1 thru 4	•		600V	125	•			94V-1	•	•	50
S	2.42" (61.47mm)	Up to 4/0	1 thru 4	•		600V	225	•			94V-1	•	•	50

Specifications subject to change.

Relay Sockets

Series/ Type	TERMINAL SPACINGS			STYLE		RELAYS					RATING		HOUSING	Catalog Page Number
	Center-to-Center Spacing	Wire Range (AWG)	Sockets	Octal	Square	SPDT	2PDT	3PDT	4PDT	6PDT	Voltage (Varies with Application) see specifications	Current (Amps)	Thermoplastic •110°C (230°F)	
CUS 8		22 to 12	8-pin	•			•				300V	10	•	55
CUS 5		22 to 14	5-pin			•					250V	15	•	55
CUS 12			11-pin		•		•							
CUS 16			8-pin					•						
RS8	.4375" (7/16") (11.11mm)	22 to 12	8-pin	•			•				250V	10	•	56
RS11			11-pin					•						
RS2	.25" (1/4") (6.35mm)	22 to 16	10-pin				•				125V	5	•	57
RS4			16-pin		•				•					
RS6			22-pin							•				
RS12	.4375" (7/16") (11.11mm)	22 to 12	8-pin		•			•			250V	10	•	58
RS16			11-pin				•							
RS14	.25" (1/4") (6.35mm)	22 to 16	14-pin		•				•		125V	5	•	59
RS15			15-pin						•					

Din Rail

Series/Type	TERMINAL SPACINGS			STYLE		RATING		HOUSING		Catalog Page Number
	Spacing	Wire Range (AWG)	Wire Cross Section	Screw	Screwless	Voltage (Varies with Application) see specifications	Current (Amps)	Thermoplastic Polyamide •125°C (230°F)	V-0 Self-Extinguishing	
Single Level	5-26mm	24 to 10	2.5-70mm	•		800V	24-80	•		64
Dual Level	6 mm	24 to 10	4.0-6.0mm	•		600V	30	•		66
Triple Level	5.3 & 6mm	26 to 14	2.5mm	•		250V	24	•		69
Single Level	5mm	24 to 8	2.5-8.0mm		•	600V	20	•		70
Single-Multi Level	5mm	24 to 8	2.5-8.0mm		•	600V	20	•		71
Ground		24 to 10			•			•		72
Fuse Block	10mm		11/4-5.0mm	•		600V	15-30	•		73
Din Ground	2 - 25mm	30 to 12	2-25mm	•		300-750V	13.5-15		•	75

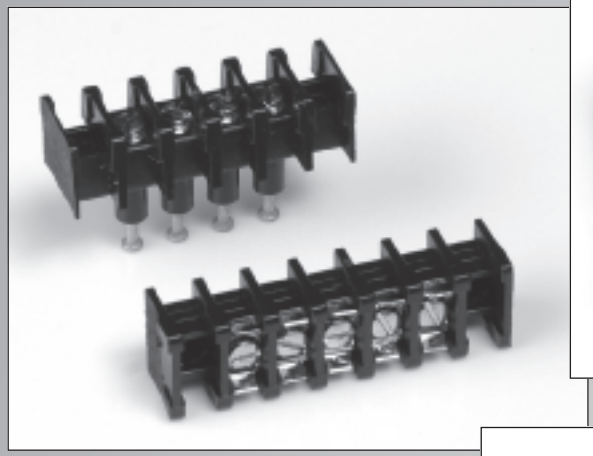
Specifications subject to change.
Dimensions are shown for
reference purposes only.

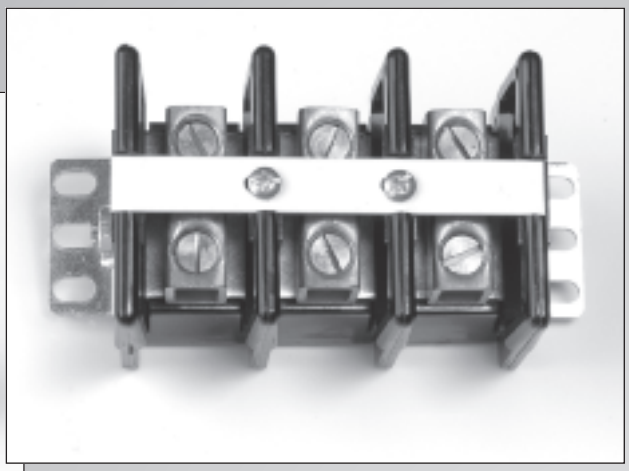
BARRIER STYLE TERMINAL BLOCKS

Single Row

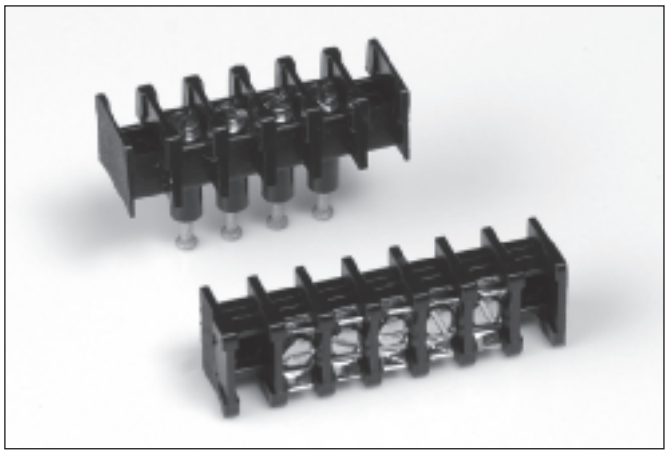
Dual Row

High-Voltage/Current

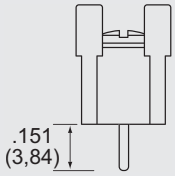




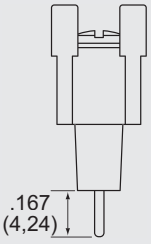
Series SE/SEI .250" (1/4") 6.35mm Center-to-Center Spacing



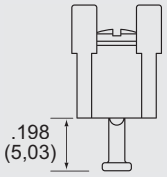
VARIATIONS



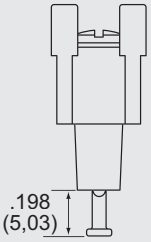
SEPX .047" dia. printed circuit pin, external screw



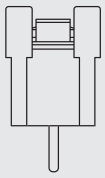
SEIPX .047" dia. printed circuit pin, external screw



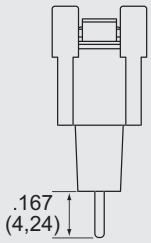
SEFX turret-type solder pin external screw



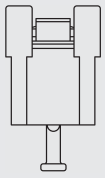
SEIFX turret-type solder pin external screw



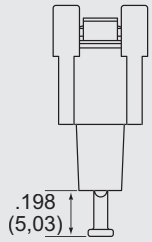
SEPCX external clamp added to SEPX



SEIPCX external clamp added to SEIPX



SEFCX external clamp added to SEFX



SEIFCX external clamp added to SEIFX

Features:

- **Miniature Feed-Thru, Printed Circuit and Surface Connection** – SE Series miniature terminal blocks are designed for applications requiring the compactness and versatility of the SEI Series without full feed-thru insulation.
- **Barrier-Type Construction** – Blocks are made of high-impact, break-resistant thermoplastic molding with integrally mounted .116" diameter mounting holes. One thru 26 terminals on 1/4" center-to-center spacing.
- **Terminal Flexibility** – External terminals available in two No. 2-56 screw designs. Internal terminals include an .047" diameter printed circuit pin, and turret-type solder pins.
- **Wire Sizes** – No. 2-56 screws. UL recognized for No. 22AWG to No. 16AWG.
- **Recognition and Listing** – UL recognized
- **Standoffs** – SEPX and SEFX 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. 22.2 No. 158, Report No. LR39186-1.

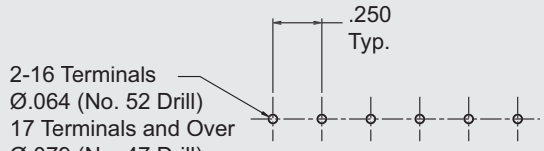
Internal Terminal Designations

SEPX, SEIPX	printed circuit board design with .047" tin-plated brass pin
SEFX, SEIFX	tin-plated brass turret-type solder pin

External Terminal Designations

SEPX, SEFX, SEIPX, SEIFX	No. 2-56 plated steel* terminal screw accepting up to No. 16 AWG wire
SEPCX, SEFCX, SEIPCX, SEIFCX	Nickel-plated brass surface clamp with No. 2-56 plated steel screw to eliminate lugging. Accepts wire up to No. 16AWG

PC BOARD DRILLING DIMENSIONS



Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .250" (6.35mm)

Wire Range: UL recognized for No. 22AWG to No. 16AWG. Models SEIPX, SEIFX, SEPX and SEFX with standard No. 2-56 plated steel screws are UL recognized "for factory wiring only." Models SEPCX, SEFCX, SEIPCX and SEIFCX are UL recognized "for field wiring" when ordered with special No. 2-56 stainless steel screw.

No. of Terminals: 1 thru 26

Voltage Rating: UL & CSA – 150 volts – General Industrial
250 volts – Commercial Appliance

Tightening Torque: Wire Clamp with stainless steel screw 3 in.-lbs.

Current Rating: 5 amps UL

Housing:

Material	Polyphenylene Oxide
Continuous Use Temp. (UL Index)	110° C (230° F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.06%
Chemical Resistance	Resistant to inorganic bases and acids – for organic substances contact factory for specific resistances.

Breakdown Voltage:

Terminal - Terminal	3,600 Typ.
Terminal - Ground	4,700 Typ.

How to Order

SEI and SE 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.

Suffixes are used as follows:

R denotes model less mounting positions

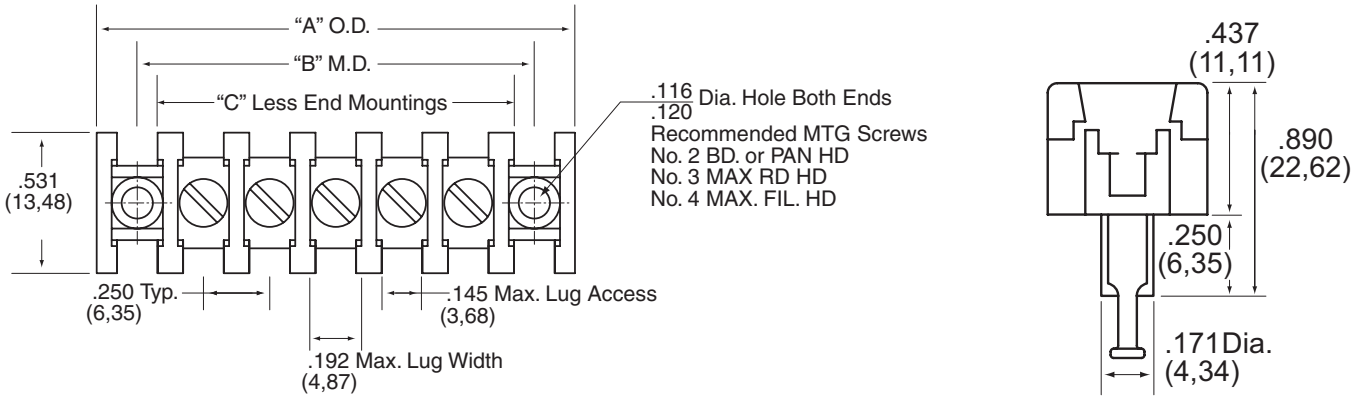
* The SEPX and SEFX are made with .020" standoffs for ease in cleaning after the soldering operation

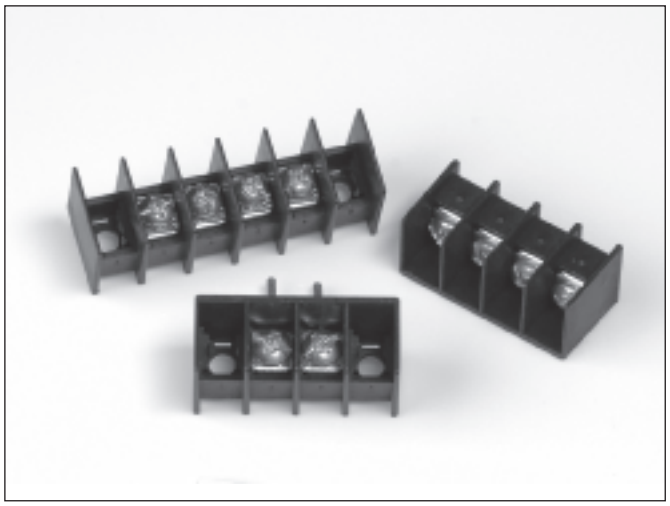
Series SE/SEI Dimensions

NOTE: mm dim. are shown in parentheses

Number of Terminals	Series SE/SEI With Mounting Ends — Dimensions						Without Mounting Ends
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Positions		
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)	
1	.781	19.84	.500	12.70	.375	9.52	
2	1.031	26.19	.750	19.05	.625	15.87	
3	1.281	32.54	1.000	25.40	.875	22.22	
4	1.531	38.89	1.250	31.75	1.125	28.57	
5	1.781	45.24	1.500	38.10	1.375	34.92	
6	2.031	51.59	1.750	44.45	1.625	41.27	
7	2.281	57.94	2.000	50.80	1.875	47.62	
8	2.531	64.29	2.250	57.15	2.125	53.97	
9	2.781	70.64	2.500	63.50	2.375	60.32	
10	3.031	76.99	2.750	69.85	2.625	66.67	
11	3.281	83.34	3.000	76.20	2.875	73.02	
12	3.531	89.69	3.250	82.55	3.125	79.37	
13	3.781	96.04	3.500	88.90	3.375	85.72	
14	4.031	102.39	3.750	95.25	3.625	92.07	
15	4.281	108.74	4.000	101.60	3.875	98.42	
16	4.531	115.09	4.250	107.95	4.125	104.77	
17	4.781	121.44	4.500	114.30	4.375	111.12	
18	5.031	127.79	4.750	120.65	4.625	117.47	
19	5.281	134.14	5.000	127.00	4.875	123.82	
20	5.531	140.49	5.250	133.35	5.125	130.17	
21	5.781	146.84	5.500	139.70	5.375	136.52	
22	6.031	153.19	5.750	146.05	5.625	142.87	
23	6.281	159.54	6.000	152.40	5.875	149.22	
24	6.531	165.89	6.250	158.75	6.125	155.57	
25	6.781	172.24	6.500	165.10	6.375	161.92	
26	7.031	178.59	6.750	171.45	6.625	168.27	

Dimensions shown are ± 0.030"





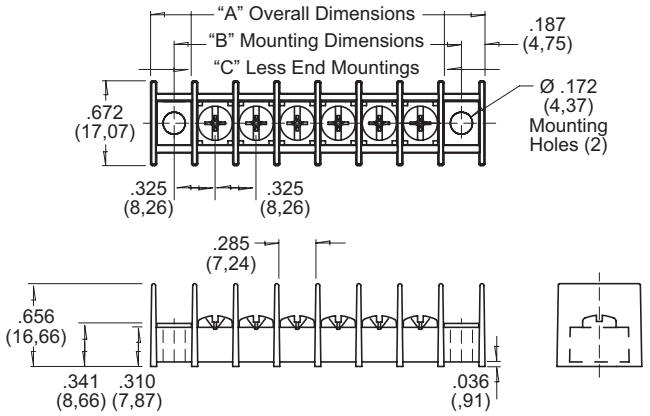
Features:

- **Complete Line of .325" Offset Blocks** – Including base mount, P.C. Pin, wire wrap, turret, and right angle terminals
- **Open or Tri Barrier Designs** – To meet your wiring requirements
- **UL & CSA Recognized** – With a 94 V-O flammability rating
- **Molded in Standoffs** – To aid in the board cleaning process
- **A Multitude of Screw and Wire Terminals Available** – Including wire clamps, wire ready screws, and combo head screws

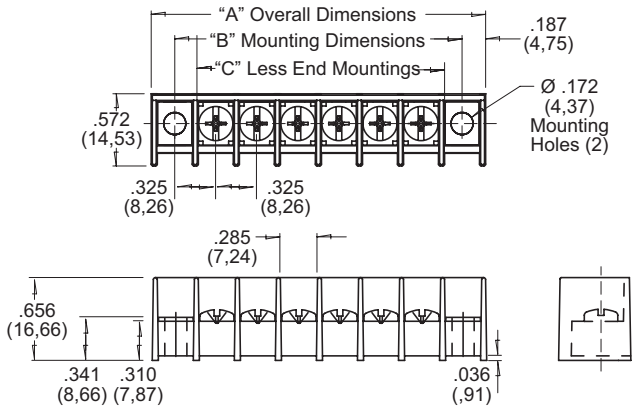
Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

Guide No. 22.2 No. 158, Report No. LR39186-1.

32500 Surface Mount
With or Without Mounting Ends



32500 Tri-Barrier Surface Mount
With or Without Mounting Ends



How to Order

325 X X X XX X

MOLDING DESIGN
- 0 = Open Back w/ Mounting Ends
- 1 = Open Back w/o Mounting Ends
- 2 = Tri Barrier w/ Mounting Ends
- 3 = Tri Barrier w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN
- 0 = Base Mount Insert
- 1 = Printed Circuit Pin
- 2 = Wire Wrap Pin
- 3 = Turret Type Pin
- 4 = Right Angle Printed Circuit Pin

NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions

HARDWARE OR TOP TERMINATION DESIGN
- 0 = Steel Combo Head Screw
- 1 = Wire Clamp Head Screw
- 2 = Brass Combo
- 3 = Stainless Steel Screw
- 5 = Supplied w/o Screws
- 6 = Quick Connects
- 8 = Captivated Steel Combo Head
- 9 = Captivated Wire Clamp

SPECIALS OR OPTIONAL DESIGNS
- 0 = None
- A-Z = Custom Configuration

Specifications subject to change.
Dimensions are shown for reference purposes only.

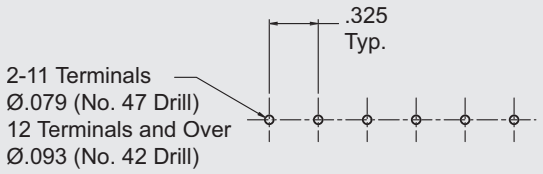
Specifications:

Center-to-Center Spacing: .325" (.825mm)
Wire Range: No. 22AWG to 14AWG
No. of Terminals: 1 thru 26 (28 without mounting holes)
Voltage Rating: 300V
Tightening Torque: 9 in. lb.
Current Rating: 15 amps UL
(20 Amps with 12AWG & Lugs)

Housing:

Material	Polypropylene
Continuous Use Temp. (UL Index)	105°C (221°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.03%

PC BOARD DRILLING DIMENSIONS

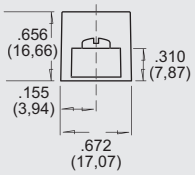


Number of Terminals	Series 32500 With Mounting Ends — Dimensions				Without Mounting Ends	
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Ends	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	1.023	25.98	.650	16.51	.373	9.47
2	1.348	34.24	.975	24.77	.698	17.73
3	1.673	42.49	1.300	33.02	1.023	25.98
4	1.998	50.75	1.625	41.30	1.348	34.24
5	2.323	59.00	1.950	49.53	1.673	42.49
6	2.648	67.26	2.275	57.79	1.998	50.75
7	2.973	75.51	2.600	66.04	2.323	59.00
8	3.298	83.77	2.925	74.30	2.648	67.25
9	3.623	92.02	3.250	82.55	2.973	75.51
10	3.948	100.28	3.575	90.81	3.298	83.77
11	4.273	108.53	3.900	99.06	3.623	92.02
12	4.598	116.79	4.225	107.32	3.948	100.28
13	4.923	125.04	4.550	115.57	4.273	108.53
14	5.248	133.30	4.875	123.83	4.598	116.79
15	5.573	141.55	5.200	132.08	4.923	125.04
16	5.898	149.81	5.525	140.34	5.248	133.30
17	6.223	158.06	5.850	148.59	5.573	141.55
18	6.548	166.32	6.175	156.85	5.898	149.81
19	6.873	174.57	6.500	165.1	6.223	158.06
20	7.198	182.83	6.825	173.36	6.548	166.32
21	7.523	191.08	7.150	181.61	6.873	174.57
22	7.848	199.34	7.475	189.87	7.198	182.83
23	8.173	207.59	7.800	198.12	7.523	191.08
24	8.498	215.85	8.125	206.38	7.848	199.34
25	8.823	224.10	8.450	214.63	8.173	207.60
26	9.148	232.36	8.775	222.89	8.498	215.85
27					8.823	224.10
28					9.148	232.36

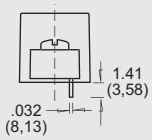
Dimensions shown are ± 0.030"

Series 32500 Open Back

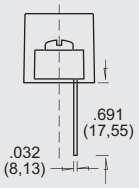
0 – Flush Mount



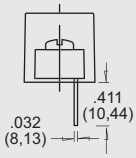
1 – PC Pin



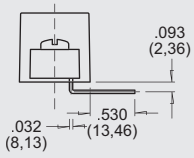
2 – Wire Wrap



3 – Turret Type

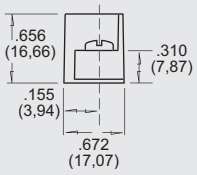


4 – Right Angle PC Pin

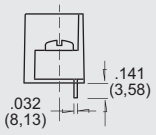


Series 32500 Tri-Barrier

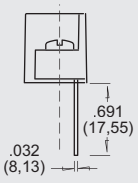
0 – Flush Mount



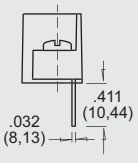
1 – PC Pin



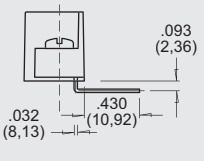
2 – Wire Wrap



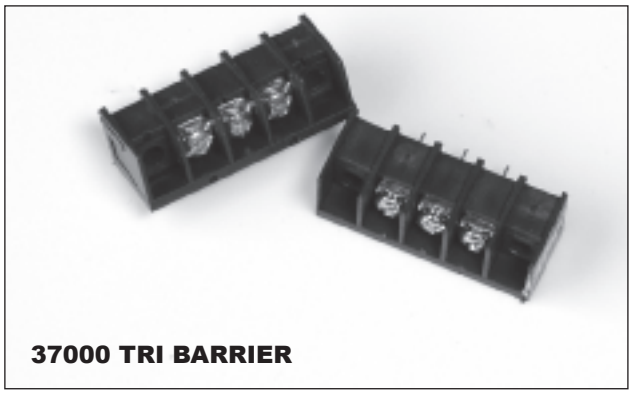
3 – Turret Type



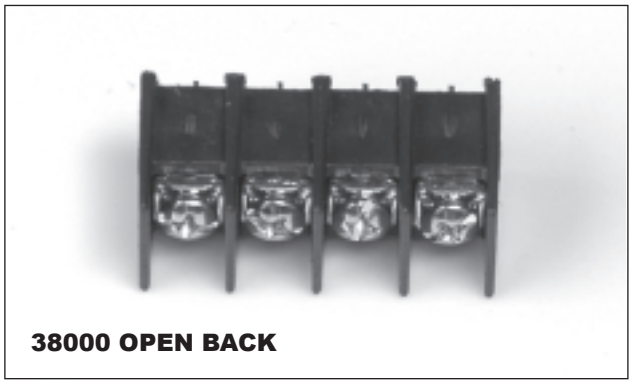
4 – Right Angle PC Pin



Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.



37000 TRI BARRIER



38000 OPEN BACK

Features:

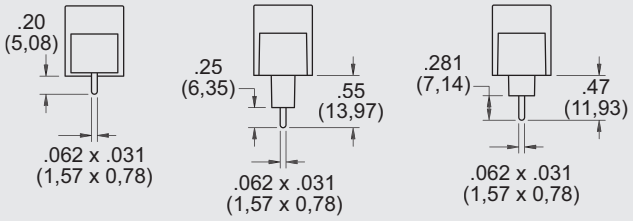
- Complete line of .375" centerline terminal block styles. Terminal blocks come in surface mount, PC mount, panel mount, and feed-thru styles with a wide variety of top and bottom terminations available
- Compliant contact design virtually eliminates solder joint fractures due to pin twist
- Standoffs are molded into blocks to prevent trapping solder flux and to aid in the board cleaning procss
- Broad wire range. The 37000/38000 Series terminal blocks will accommodate wire sizes up to 12AWG
- Full line of accessories complements the 37000/38000 Series terminal blocks, offering greater design flexibility
- All Curtis terminal blocks for electronic applications are made from self-extinguishing material rated 94V-0 by Underwriters Laboratories, Inc.
- Customized terminal blocks are available for special application by consulting any authorized Curtis distributor, Curtis representative, or by contacting the Curtis factory direct

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

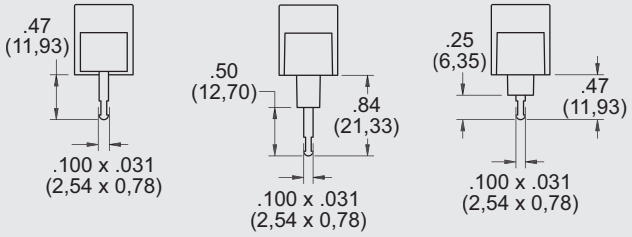
Guide No. 22.2 No. 158, Report No. LR39186-1.

SERIES 38000 VARIATIONS

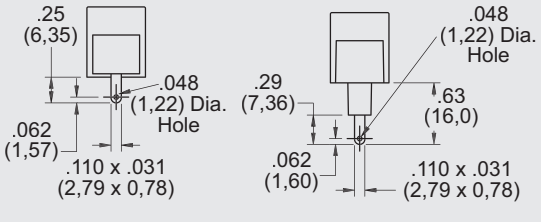
1 – Printed Circuit Pin



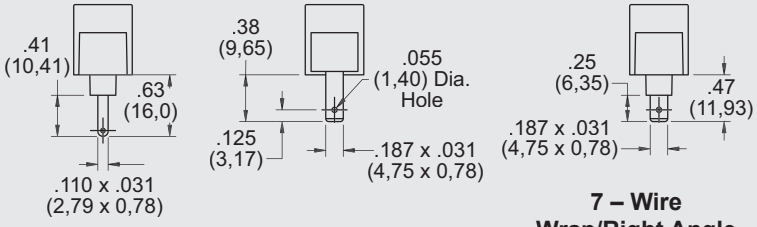
2 – Turret Type Solder Terminal



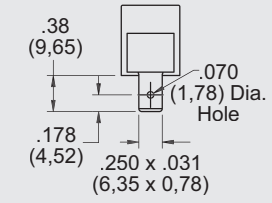
3 – .110" Quick Connect



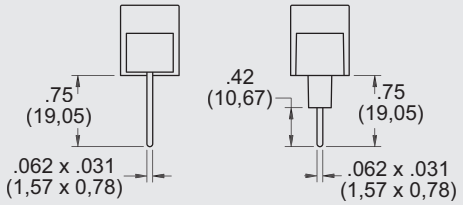
4 – .187" Quick Connect



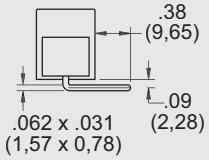
5 – .250" Quick Connect



6 – Wire Wrap/Printed Circuit Pin



7 – Wire Wrap/Right Angle Printed Circuit Pin



NOTE: Standard bend shown. Contact factory for other bend dimensions.

Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .375" (9.52mm)

Wire Range: No. 22AWG to No. 12AWG

No. of Terminals: 1 thru 26 (28 positions on surface mount without mounting ends)

Voltage Rating: 300V

Tightening Torque:

Wire Binding Screw	9 in.-lb.
Wire Clamp	9 in.-lb.

Current Rating: 20 amps

Housing:

Material	Polypropylene
Continuous Use Temp. (UL Index)	105°C
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.03%
Chemical Resistance	Excellent

Breakdown Voltage:

	3,000V Typ.
Terminal - Ground	4,700 Typ.

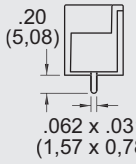
Terminals: Brass, Tin-plated

Series 37000 and 38000 With Mounting Ends							Without Mounting Ends	
Number of Terminals	Dimensions							
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Ends		A ± .031 Less Mounting Ends	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	1.200	30.48	.750	19.05	.450	11.43	—	—
2	1.575	40.01	1.125	28.58	.825	20.96	.825	20.96
3	1.950	49.53	1.500	38.1	1.200	30.48	1.200	30.48
4	2.325	59.06	1.875	47.63	1.575	40.01	1.575	40.01
5	2.700	68.58	2.250	57.15	1.950	49.53	1.950	49.53
6	3.075	78.11	2.625	66.68	2.325	59.06	2.325	59.06
7	3.450	87.63	3.000	76.2	2.700	68.58	2.700	68.58
8	3.825	97.16	3.375	85.73	3.075	78.11	3.075	78.11
9	4.200	106.68	3.750	95.25	3.450	87.63	3.450	87.63
10	4.575	116.21	4.125	104.78	3.825	97.16	3.825	97.16
11	4.950	125.73	4.500	114.3	4.200	106.68	4.200	106.68
12	5.325	135.26	4.875	123.83	4.575	116.21	4.575	116.21
13	5.700	144.78	5.250	133.35	4.950	125.73	4.950	125.73
14	6.075	154.31	5.625	142.88	5.325	135.26	5.325	135.26
15	6.450	163.83	6.000	152.4	5.700	144.78	5.700	144.78
16	6.825	173.36	6.375	161.93	6.075	154.30	6.075	154.31
17	7.200	182.88	6.750	171.45	6.450	163.83	6.450	163.83
18	7.575	192.41	7.125	180.98	6.825	173.36	6.825	173.36
19	7.950	201.93	7.500	190.5	7.200	182.88	7.200	182.88
20	8.325	211.48	7.875	200.03	7.575	192.40	7.575	192.41
21	8.700	220.98	8.250	209.55	7.950	201.93	7.950	201.93
22	9.075	230.51	8.625	219.08	8.325	211.46	8.325	211.46
23	9.450	240.03	9.000	228.6	8.700	220.98	8.700	220.98
24	9.825	249.56	9.375	238.13	9.075	230.50	9.075	230.51
25	10.200	259.08	9.750	247.65	9.450	240.03	9.450	240.03
26	10.575	268.61	10.125	257.18	9.825	249.56	9.825	249.56

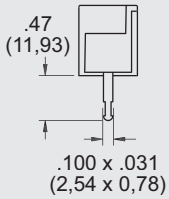
Dimensions shown are ± 0.030"

SERIES 37000 VARIATIONS

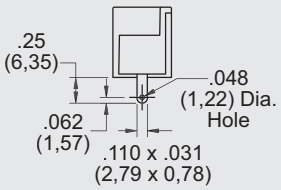
1 – Printed Circuit Pin



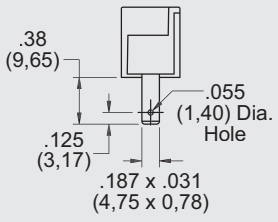
2 – Turret Type Solder Terminal



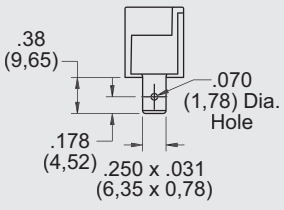
3 – .110" Quick Connect



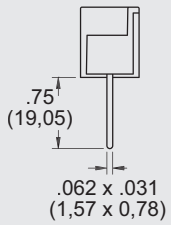
4 – .187" Quick Connect



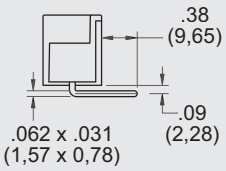
5 – .250" Quick Connect



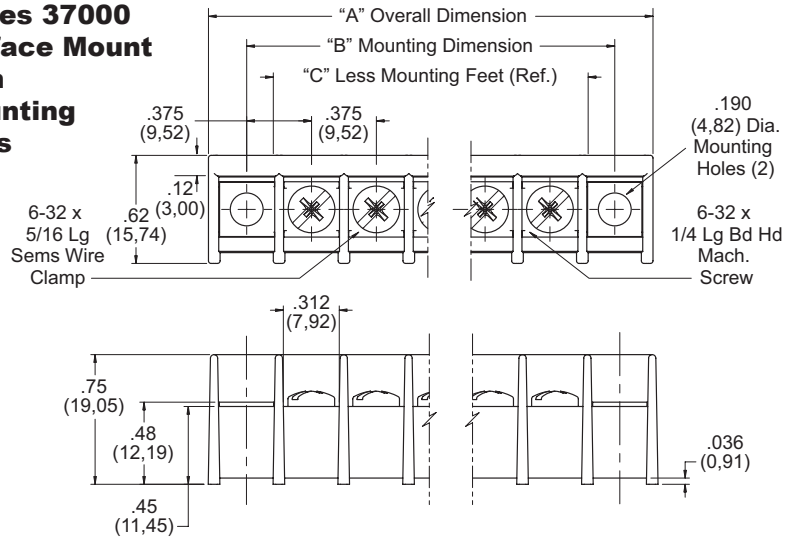
6 – Wire Wrap/Printed Circuit Pin



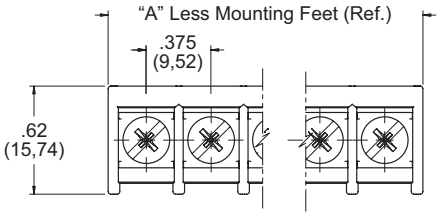
7 – Wire Wrap/Right Angle Printed Circuit Pin



Series 37000 Surface Mount with Mounting Ends



Series 37000 Surface Mount without Mounting Ends



How to Order T37 X X X XX X

MOLDING DESIGN
0 = Surface Mount w/ Mounting Ends
1 = Surface Mount w/o Mounting Ends

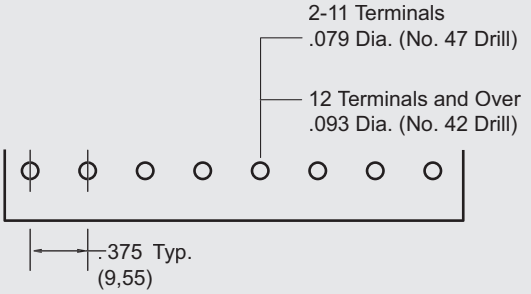
INSERT OR BOTTOM TERMINATION DESIGN
0 = Surface Mount, No Bottom Termination
1 = Printed Circuit Pin
2 = Turret Type Solder Terminal
3 = Quick Connect .110"
4 = Quick Connect .187"
5 = Quick Connect .250"
6 = Wire Wrap Pin
7 = Right Angle Printed Circuit

HARDWARE OR TOP TERMINATION DESIGN
0 = Nickel Plated Steel Screw, Standard
1 = Wire Clamp Screws
2 = Nickel Plated Brass Screws
3 = Stainless Steel Screws
5 = Without Screws
6 = Quick Connects, Screw Type*
8 = Captivated Screw

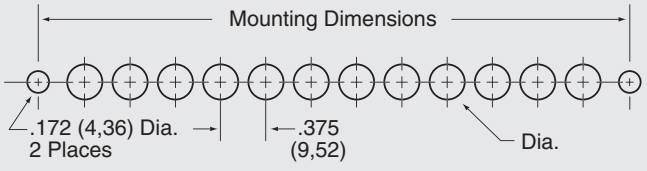
NUMBER OF POSITIONS
1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

SPECIALS OR OPTIONAL DESIGNS
0 = None
A-Z = Custom Configuration

PC BOARD DRILLING DIMENSIONS



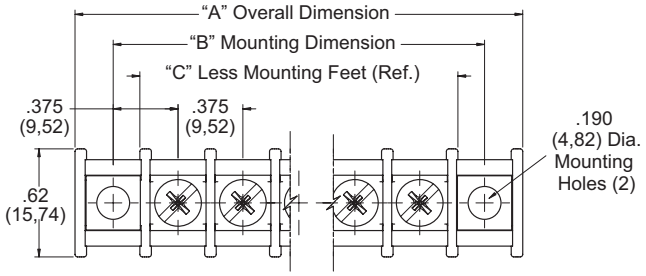
RECOMMENDED PANEL CUTOUT DIMENSIONS



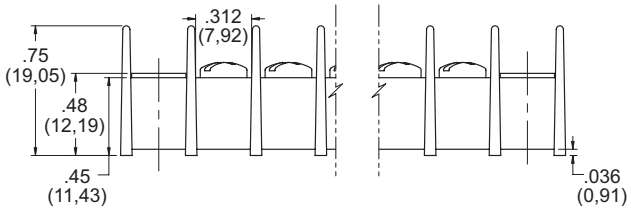
Long Feed Thru – Panel Hole Dia. = .281 (7,13)
Short Feed Thru – Panel Hole Dia. = .302 (7,67)

Specifications subject to change.
Dimensions are shown for reference purposes only.

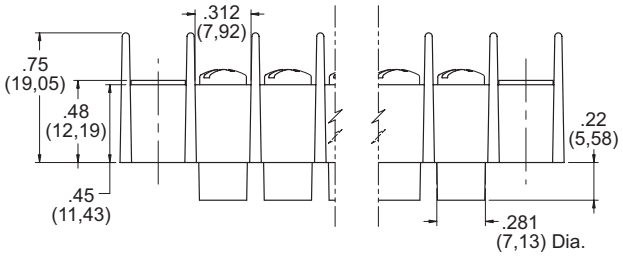
Series 38000 Surface Mount without Mounting Ends



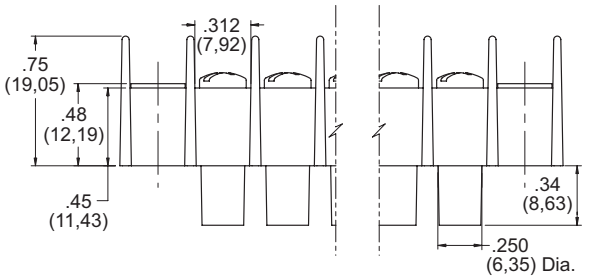
Series 38000 Base Mount



Series 38000 Short Feed-Thru



Series 38000 Long Feed-Thru



How to Order T38 X X X XX X

MOLDING DESIGN
- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru .250 Diameter w/ Mounting Ends
- 3 = Insulated Feed Thru .250 Diameter w/o Mounting Ends
- 4 = Insulated Feed Thru .281 Diameter w/ Mounting Ends
- 5 = Insulated Feed Thru .281 Diameter w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN
- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

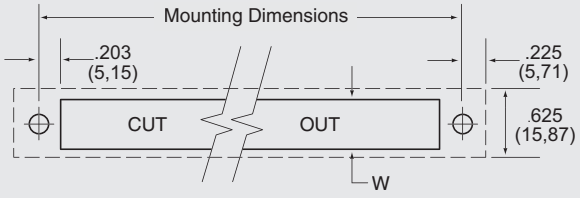
HARDWARE OR TOP TERMINATION DESIGN
- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

SPECIALS OR OPTIONAL DESIGNS
- 0 = None
- A-Z = Custom Configuration

RECOMMENDED PANEL CUTOUT DIMENSIONS



SURFACE MOUNT STYLES

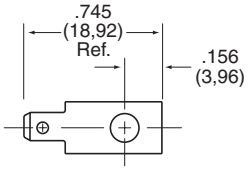
.187 (4,75) Tab .250 (6,35) Tab	W = .45 (11,34)
.110 (2,79) QC Wire Wrap Solder Tab	W = .38 (9,65)

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Series 37000 Accessories

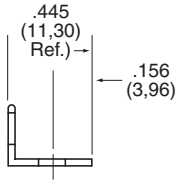
QUICK-CONNECT TERMINALS .020 X .187

TB71



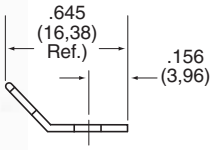
Part No.
808271200
TB71

TB72



Part No.
808272200
TB72

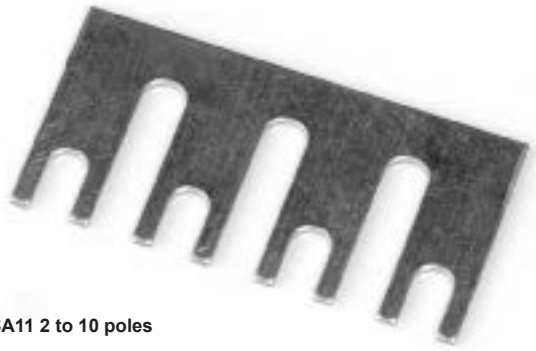
TB73



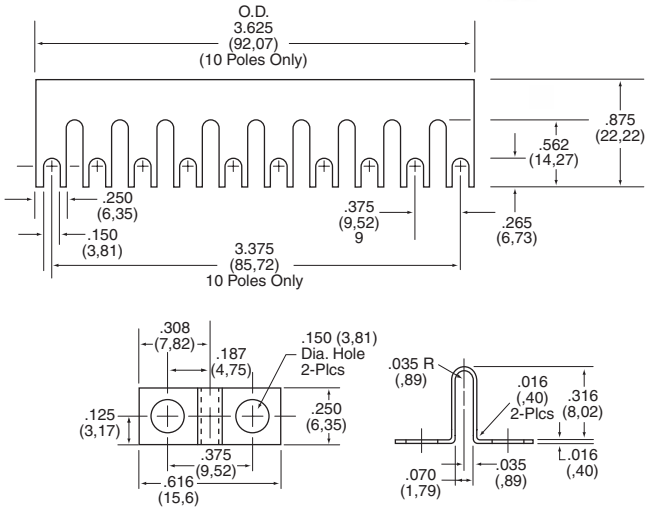
Part No.
808273200
TB73

Series 37000/38000 Accessories

TERMINAL BLOCK JUMPERS

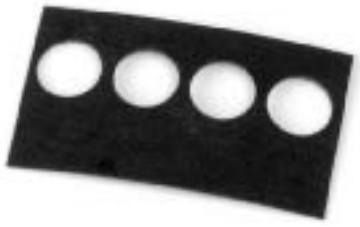


278A11 2 to 10 poles



Part No. 068260100

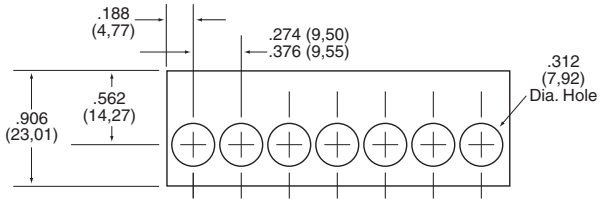
MARKING STRIPS



W/Mounting Holds
Part No. 278A10
1 thru 26

W/O Mounting Holes
Part No. 278A36
1 thru 26

Pre-Punched
Black Fiber



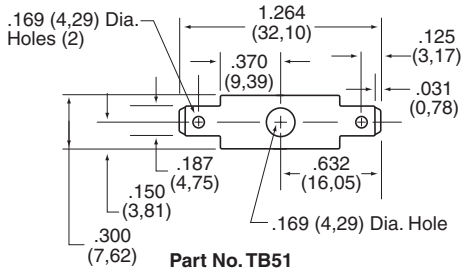
Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for
reference purposes only.

Series 38000 Accessories

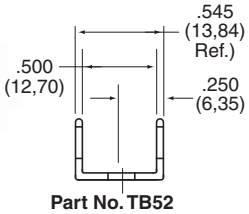
QUICK-CONNECT TERMINALS .020 x .187"

TB51



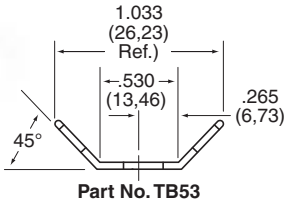
Part No. TB51

TB52



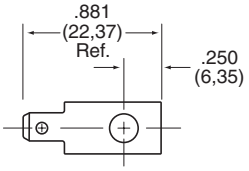
Part No. TB52

TB53



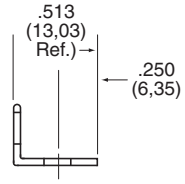
Part No. TB53

TB54



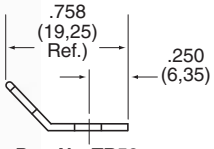
Part No. TB54

TB55



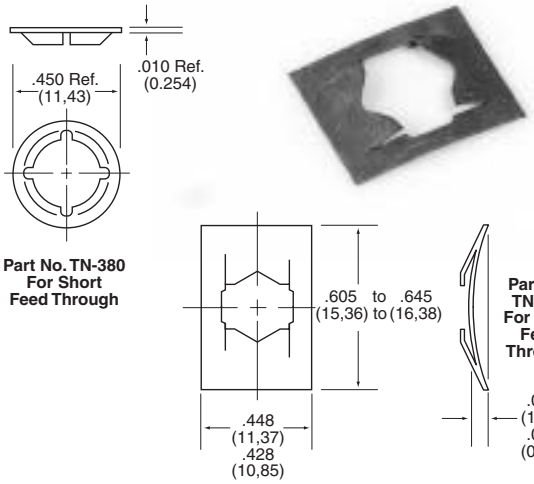
Part No. TB55

TB56

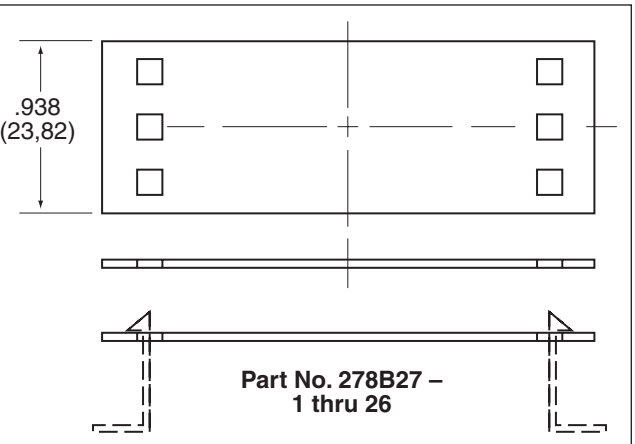


Part No. TB56

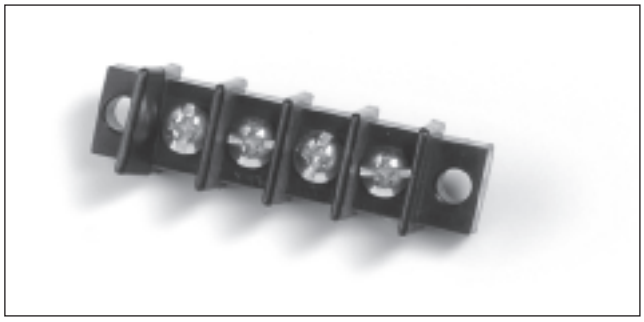
TINNERMAN NUTS

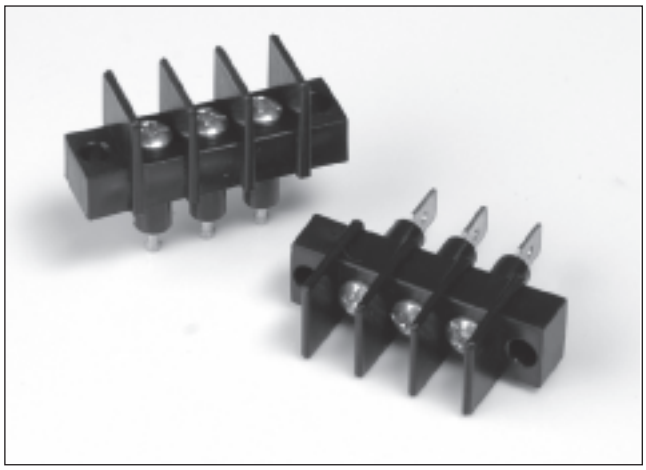


COVERS



Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.





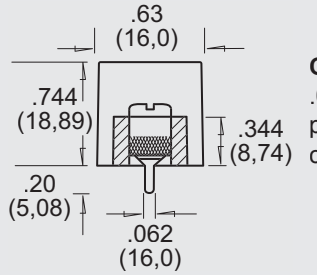
Features:

- **Compact Barrier-Type Design** – Especially suited for electronic and control feed-thru applications where space saving is required
- **Fully Insulated Feed-Thru, Disconnect, Printed Circuit or Surface Connection** – One thru 26 terminals on .375" center-to-center spacing
- **Improved High Barrier-Type Design** – Meets industrial control clearance and creepage requirements set by UL. Rated 20A up to 600V
- **Suitable for High Moisture and Dust Environments** – Blocks are made of break resistance, high-impact black thermoplastic
- **Solid Construction** – Terminals are molded in place with precision screw machined brass inserts which will not twist. Virtually eliminating broken solder joints while providing a full mechanical thread system
- **Broad Wire Rage** – No. 6-32 external terminal screw UL recognized for No. 22AWG to No. 12AWG
- **Recognition and Listing** – UL recognized and CSA certified

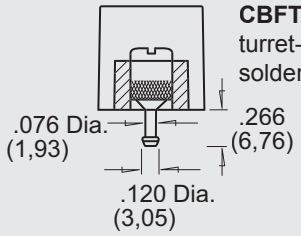
Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

Guide No. 22.2 No. 158, Report No. LR39186-1. Complies with IEC 947-7-1

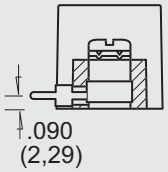
SERIES CB/CFT VARIATIONS



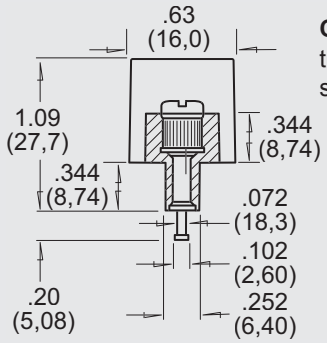
CBP
.062" dia.
printed
circuit pin



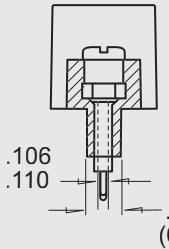
CBFT
turret-type
solder pin



CBDR
right angle
printed
circuit
disconnect

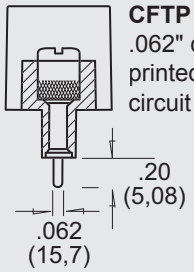


CFT
turret-type
solder pin

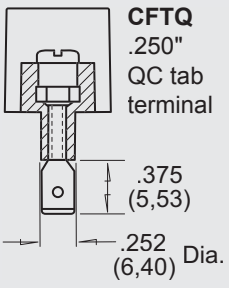


CFTD
printed
circuit
disconnect

CFTD is normally supplied with standard pin installed.



CFTP
.062" dia.
printed
circuit pin



CFTQ
.250"
QC tab
terminal

NOTE: Consult factory for minimums

Specifications subject to change.
Dimensions are shown for
reference purposes only.

Specifications:

Center-to-Center Spacing: .375" (9.52mm)

Wire Range: No. 22AWG to No. 12AWG

No. of Terminals: 1 thru 26

Voltage Rating: CSA – 300V
Screw Terminals:
UL – 600V – Limited Energy Devices
UL – 300V – General Industrial
Quick Connects:
UL – 125V – General Appliance

Tightening Torque:

Wire Binding Screw	12 in.-lb.
Wire Clamps	20 in.-lb.

Current Rating: 20 amps

Housing:

Material	Thermoplastic Polyester
Continuous Use Temp. (UL Index)	140°C (284°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.08%
Chemical Resistance	Excellent in most environments

Breakdown Voltage:

Terminal - Terminal	7,000V Typ.
Terminal - Ground	6,000V Typ.

Terminals: Solid Brass
Solder style terminals are plated with high-purity tin for optimum solderability

Contact Resistance: .002 Ohm Typ. – CFTD

INTERNAL TERMINAL DESIGNATIONS

CBP	printed circuit board design with .062" diameter tin-plated brass pin
CBFT	tin-plated brass turret-type solder pin
CFT	tin-plated brass turret-type solder pin
CFTP	printed circuit board design with .062" diameter tin-plated brass pin
CFTQ	.250" quick connect tab terminal
CFTD	disconnect design with factory installed pin terminals for printed circuit mounting
CBDR	right angle disconnect design

EXTERNAL TERMINAL DESIGNATIONS

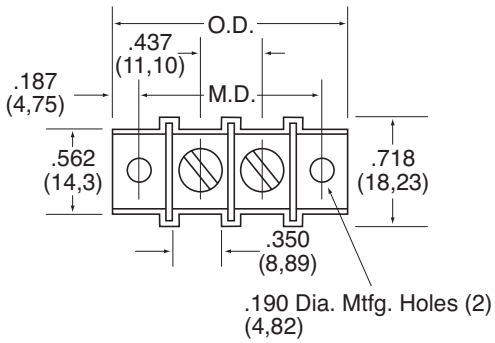
CBP, CBFT, CFT, CFTP, CFTD CBDR	screw terminal with No. 6-32 plated steel* screw accepting wire up to No. 12AWG
CBPW, CFTW, CBFTW, CFTPW, CFTQW, CFTDW, CBDRW	6-32 combo head screw with captivated traveling wire clamp

* Other materials available – contact factory or your local representative for additional information.

Series CB/CFT With Mounting Ends					Without Mounting Ends	
Number of Terminals	Dimensions					
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Positions	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	.750	19.05	1.062	26.98	.437	11.11
2	1.125	28.57	1.437	36.51	.812	20.63
3	1.500	38.10	1.812	46.03	1.187	30.16
4	1.875	47.62	2.187	55.56	1.562	39.68
5	2.250	57.15	2.562	65.08	1.937	49.21
6	2.625	66.67	2.937	74.61	2.312	58.73
7	3.000	76.20	3.312	84.13	2.687	68.26
8	3.375	85.72	3.687	93.66	3.062	77.78
9	3.750	95.25	4.062	103.18	3.437	87.31
10	4.125	104.77	4.437	112.71	3.812	96.83
11	4.500	114.30	4.812	122.23	4.187	106.36
12	4.875	123.82	5.187	131.76	4.562	115.88
13	5.250	133.35	5.562	141.28	4.937	125.41
14	5.625	142.87	5.937	150.81	5.312	134.93
15	6.000	152.40	6.312	160.33	5.687	144.46
16	6.375	161.92	6.687	169.86	6.062	153.98
17	6.750	171.45	7.062	179.38	6.437	163.51
18	7.125	180.97	7.437	188.91	6.812	173.03
19	7.500	190.50	7.812	198.43	7.187	182.56
20	7.875	200.02	8.187	207.96	7.562	192.08
21	8.250	209.55	8.562	217.48	7.937	201.61
22	8.625	219.07	8.937	227.01	8.312	211.13
23	9.000	228.60	9.312	236.53	8.687	220.66
24	9.375	238.12	9.687	246.06	9.062	230.18
25	9.750	247.65	10.062	255.58	9.437	239.71
26	10.125	257.17	10.437	265.11	9.812	249.23

Dimensions shown are ± 0.030"

Series CB/CFT Dimensions



How to Order

CFT Series terminal blocks are ordered by listing designation followed by the number of poles required for the application. Example: Type CFT 10-pole block becomes stock number CFT-10.

Suffixes are used as follows:

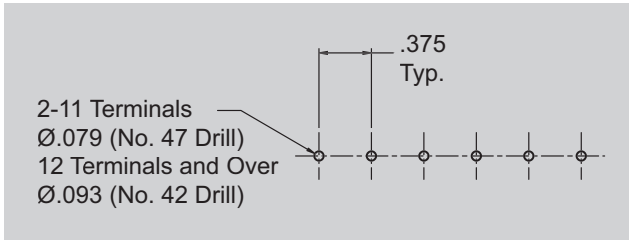
- W denotes model with wire clamp replacing external screw terminal
- C denotes model less mounting positions

To specify quick-connect terminals, simply add the style number required.

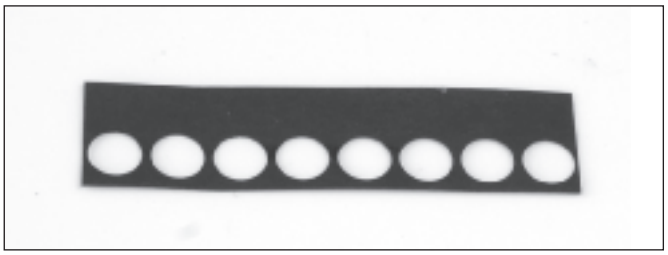
May be purchased factory-assembled or as customer-installed accessory.

The CFT-10 described above with wire clamp less mounting positions thus converts to sock number CFTWC-10.

PC BOARD DRILLING DIMENSIONS



Series CB/CFT Accessories

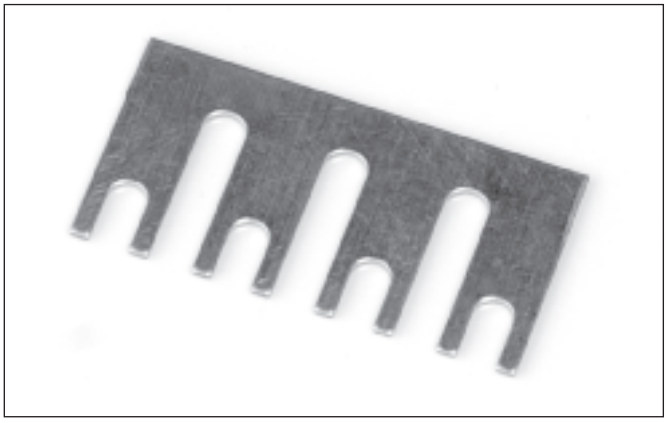


MARKING STRIPS

CB/CFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.
To order, specify: Part No. 278A10-1 thru 26 (with mounting hole); Part No. 278A36-1 thru 26 (less mounting hole).

COVERS

CB/CFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.
Part No. 278B27-1 thru 26 terminals



TERMINAL BLOCK JUMPERS

CB/CFT – Jumper is constructed of plated brass. “Rooster comb” design permits connections of two to 10 poles.
To order, specify; Part No. 278-A11 (plus no. of poles)

Example: 278-A11-10, 10 Pole Jumper

WIRE CLAMP

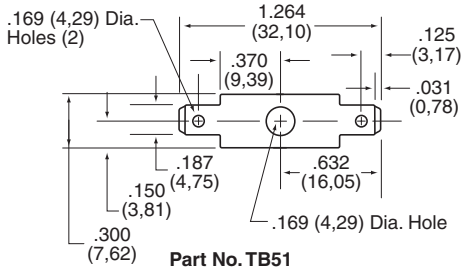
CB/CFT – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. Accepts No. 14AWG wire. Part No. 58523700

Terminal blocks are normally supplied with No. 6-32 combo head screws. Other styles and materials on special order.

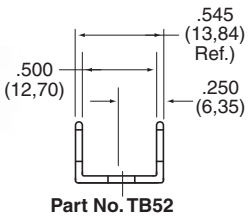
Specifications subject to change.
Dimensions are shown for reference purposes only.

QUICK-CONNECT TERMINALS

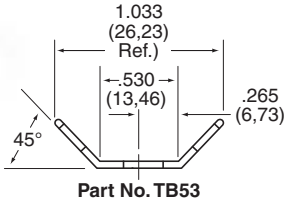
CB/CFT – Available with .187" x .020" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.



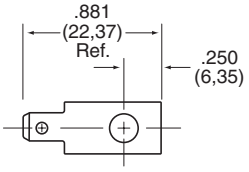
TB51 Part No. TB51



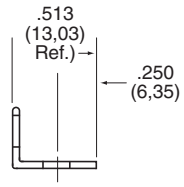
TB52 Part No. TB52



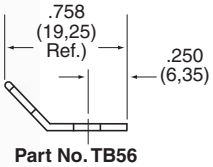
TB53 Part No. TB53



TB54 Part No. TB54



TB55 Part No. TB55

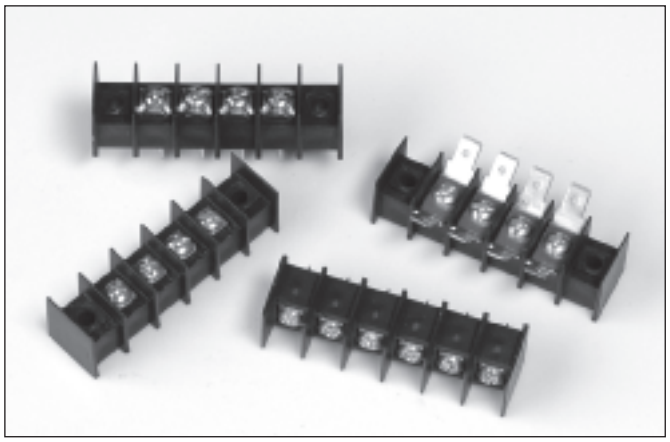


TB56 Part No. TB56

TINNERMAN NUT

CFT – for speed mounting of terminal blocks less mounting position.
Part No. TN-375.

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.



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

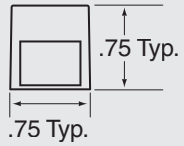
Guide No. 22.2 No. 158, Report No. LR39186-1.

Features:

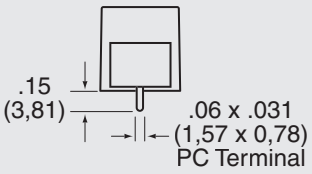
- Cost-competitive line of .4375" (11.11mm) centerline terminal blocks provides design engineers with multitude of selection choices: base mount and feed thru styles with P.C. pin, turret, quick connect, wire wrap and right angle. Available in up to 28 positions.
- Rated up to 30A, 600V
- Accepts very broad wire range from 22AWG to 12 AWG. Variety to top terminations including 6-32 and 8-32 screws, quick connects, wire clamps, jumpers, and covers.
- Unique Curtis contact design helps eliminate fracturing of solder joint due to pin twist.
- Plated brass inserts are standard on all Series 43000 terminal blocks. Standoffs molded into the blocks inhibit the trapping of solder flux – makes it easier to clean boards.
- All terminal blocks for electronic use are made from highly durable, self-extinguishing polypropylene material rated 94 V-0 by Underwriters Laboratories, Inc.
- Custom built terminal blocks for special applications are available. Contact any authorized Curtis distributor or representative, or call the factory direct.

Series 43000 Variations

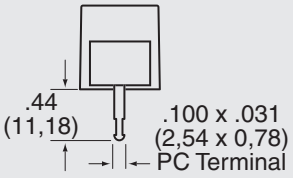
0 – Flush Mount



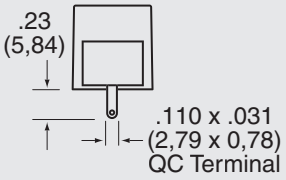
1 – Printed Circuit Pin



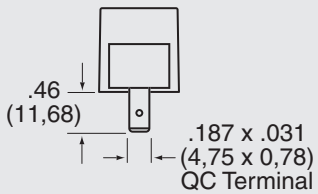
2 – Turret Type Solder Terminal



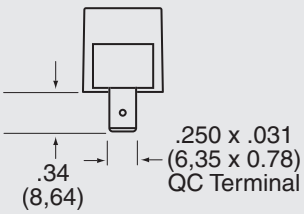
3 – Quick Connect .110"



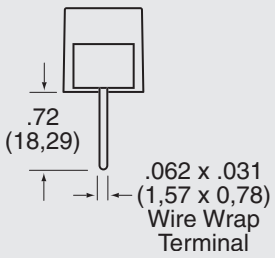
4 – Quick Connect .187"



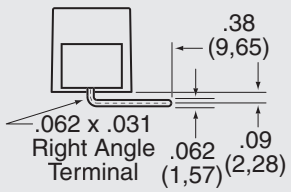
5 – Quick Connect .250"



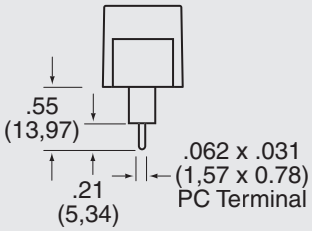
6 – Wire Wrap Pin



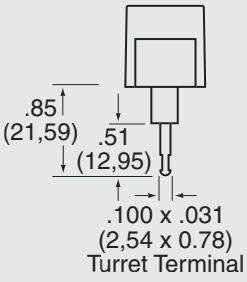
7 – Right Angle Printed Circuit Pin



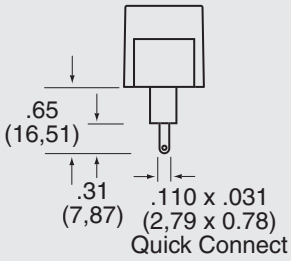
1 – Printed Circuit Pin



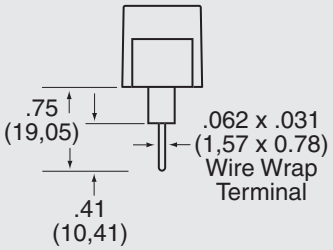
2 – Turret Type Solder Terminal



3 – Quick Connect .110"



6 – Wire Wrap Pin (extended pc pin)



Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .4375" (11.11mm)

Wire Range: No. 22AWG to 12AWG

No. of Terminals: 1 thru 26 (28 without mounting holes)

Voltage Rating: 600V

Tightening Torque: 9 in. lb.

Current Rating: 20 amps UL
(30 Amps with 10AWG & Lugs)

Housing:

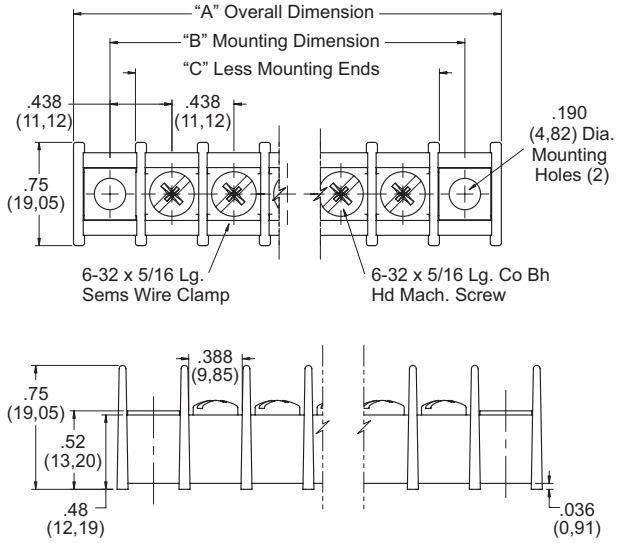
Material	Polypropylene
Continuous Use Temp. (UL Index)	105°C (221°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.03%

Breakdown Voltage:

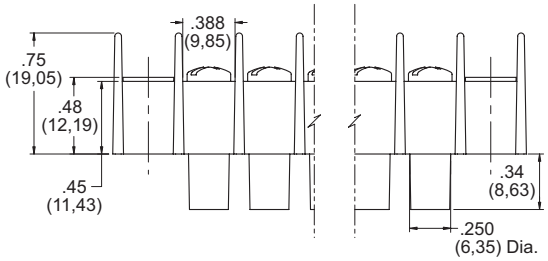
Terminal - Terminal	3000V
Terminal - Ground	3000V

Terminals: Brass - Tin Plated

Series 43000 Surface Mount With Mounting Ends



43000 Feed-Thru Series



Series 43000 With Mounting Ends					Without Mounting Ends	
Number of Terminals	Dimensions					
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Positions	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	1.375	34.93	.875	22.23	.500	12.70
2	1.813	46.05	1.313	33.35	.938	23.83
3	2.250	57.15	1.750	44.45	1.375	34.93
4	2.688	68.28	2.188	55.58	1.813	46.05
5	3.125	79.38	2.625	66.68	2.250	57.15
6	3.563	90.50	3.063	77.80	2.688	68.28
7	4.000	101.60	3.500	88.90	3.125	79.38
8	4.438	112.73	3.938	100.03	3.563	90.50
9	4.875	123.83	4.375	111.13	4.000	101.60
10	5.313	134.95	4.813	122.25	4.438	112.73
11	5.750	146.05	5.250	133.35	4.875	123.83
12	6.188	157.18	5.688	144.48	5.313	134.95
13	6.625	168.28	6.125	155.58	5.750	146.05
14	7.063	179.40	6.563	166.70	6.188	157.18
15	7.500	190.50	7.000	177.80	6.625	168.28
16	7.938	201.63	7.438	188.93	7.063	179.40
17	8.375	212.73	7.875	200.03	7.500	190.50
18	8.813	223.85	8.313	211.15	7.938	201.63
19	9.250	235.00	8.750	222.25	8.375	212.73
20	9.688	246.08	9.188	233.38	8.813	223.85
21	10.125	257.18	9.625	244.48	9.250	234.95
22	10.563	268.30	10.063	255.60	9.688	246.08
23	11.000	279.4	10.500	266.70	10.125	257.18
24	11.438	290.53	10.938	277.83	10.563	268.30
25	11.875	301.63	11.375	288.93	11.000	279.40
26	12.313	312.75	11.813	300.05	11.438	290.53
27					11.875	301.63
28					12.313	312.75

Dimensions shown are ± 0.030"

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

How to Order 43 X X X X XX X

MOLDING DESIGN
- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru w/ Mounting Ends
- 3 = Insulated Feed Thru w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN
- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Extended Printed Circuit Pin or Wire Wrap
- 7 = Right Angle Printed Circuit Pin

Note: Option 4 & 5 Only Available on Surface Mount Style Molding

INSERT/SCREW DIMENSION
- 0 = 6-32 Insert and Screw
- 1 = 8-32 Insert and Screw, available on PC Pin, Turret Type Solder Pins, Wire Wrap and Right Angle Versions only

HARDWARE OR TOP TERMINATION DESIGN
- 0 = Standard Zinc Plated Steel Screw, Combo Head
- 1 = Wire Clamp Screw
- 2 = Nickel Plated Brass Screw
- 3 = Stainless Steel Screw
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

*See accessories

NUMBER OF POSITIONS
Available 1 thru 26 W/Mounting End
1 thru 28 w/o Mounting Ends

SPECIALS OR OPTIONAL DESIGNS
- 0 = None
- A-Z = Custom Configuration

Series 43000 Accessories

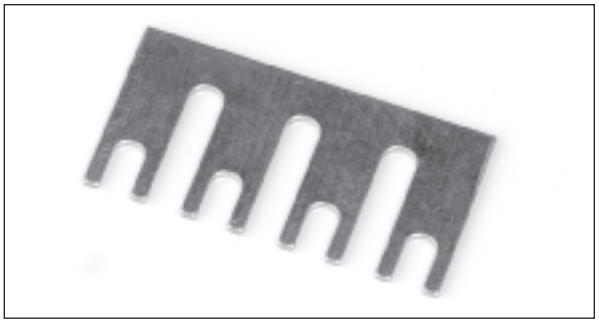
WIRE CLAMP
4300 – Wire clamp captivated to No. 6-32 or 8-32 screw eliminates need for lugs. Accepts up to No. 12AWG wire. May be ordered factory installed or loose.

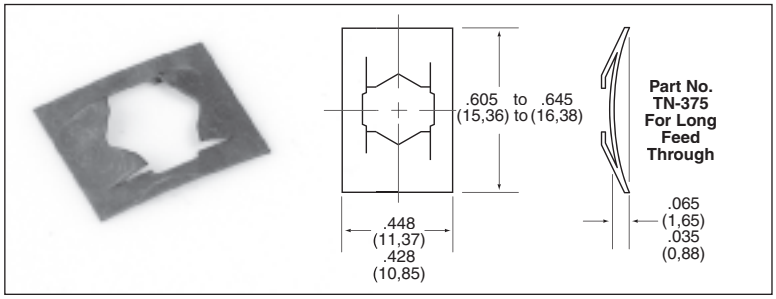
MARKING STRIPS
4300 – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.
To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 28 (less mounting hole).

COVERS
43000 – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.
Part No. 0196_ _ 000, 1 thru 26 poles.
Example: 019605000 would be a 5 pole cover

TINNERMAN NUT
4300 – for special mounting of terminal blocks less mounting position.
Part No. TN-375.

TERMINAL BLOCK JUMPERS
4300 – Plated brass "Rooster comb" design Type 267A42 permits connections of two to 18 poles.
To order, specify; Part No. 267A42-_ _ .





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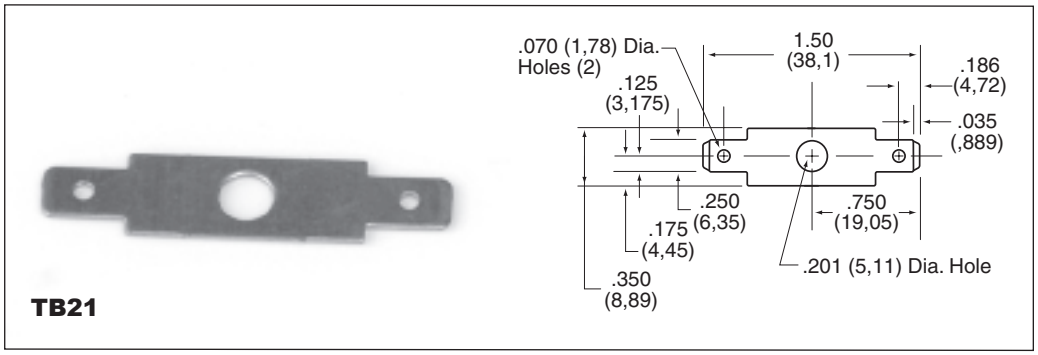
Specifications subject to change.
Dimensions are shown for reference purposes only.

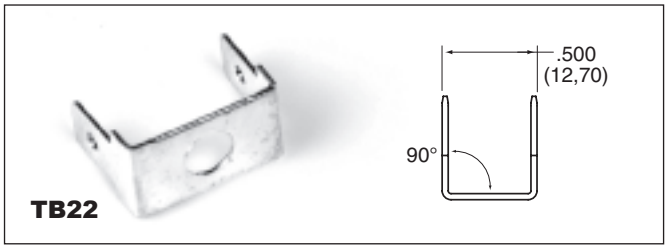
QUICK-CONNECT TERMINALS

QUICK-CONNECT TERMINALS

43000 – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or supplied bulk.



TB21



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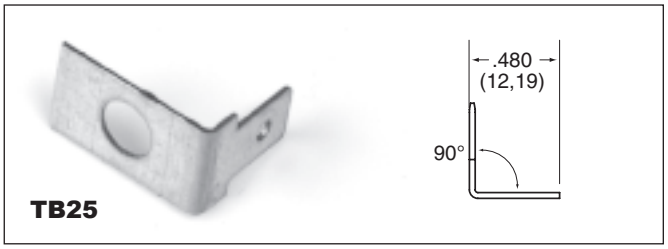

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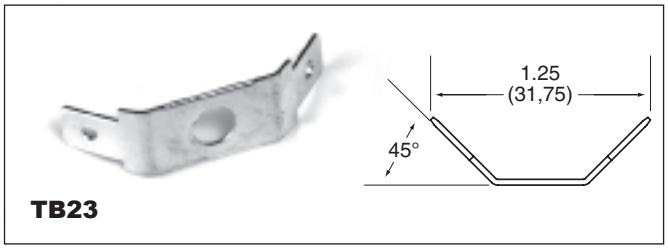

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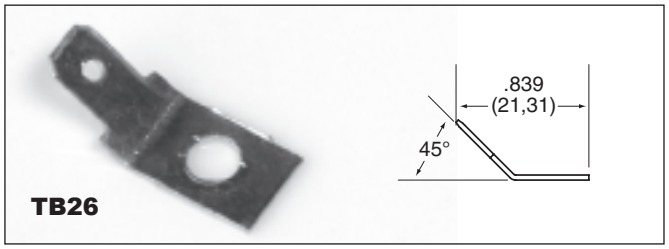

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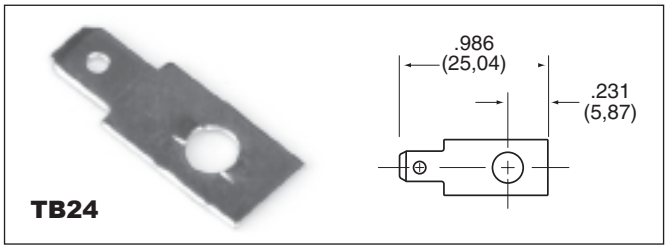
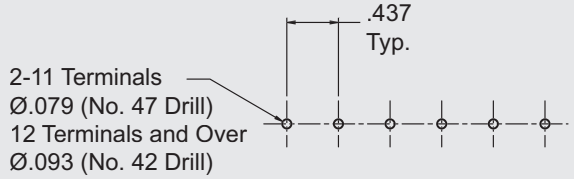
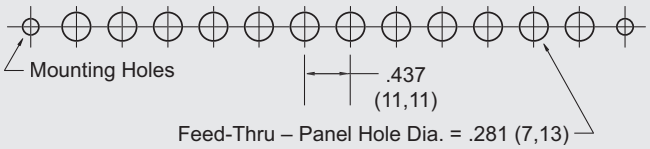


TB24

PC BOARD DRILLING DIMENSIONS

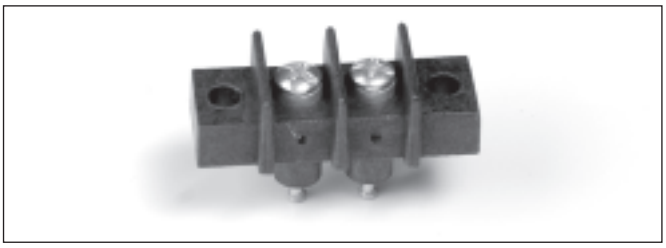


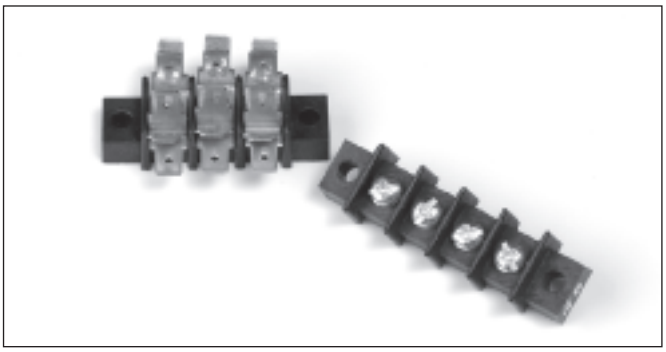
RECOMMENDED PANEL CUTOUT DIMENSIONS



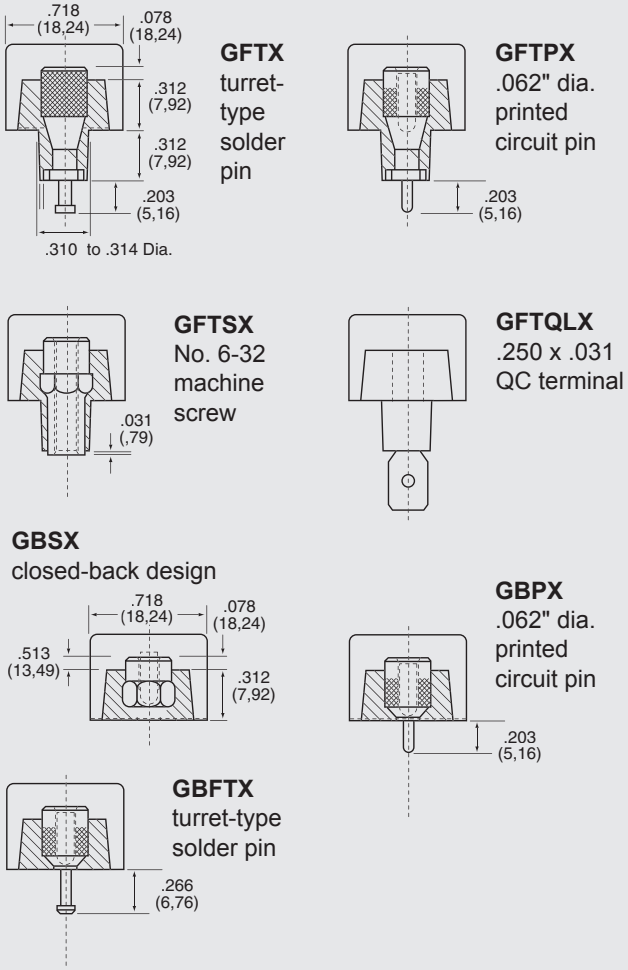
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Series GFT/GB 7/16" (11.11mm) Center-to-Center Spacing





Series GFT/GB Variations



Features:

- **Superior Construction** – All terminals are molded in place with precision screw machined brass inserts which will not twist, virtually eliminating broken solder joints while providing a full mechanical thread system.
- **Ideal for Sub-Chassis or Thru-Panel Application** – No costly insulation or mounting set-up since feed-thru insulators are an integral part of the moldings. Feature provides a full 1/4" terminal to ground clearance even thru 1/16" chassis.
- **Durable Base Material** – Made of black thermo-set phenolic, or high-impact, break-resistant thermoplastic
- **Electrical Rating** – 20A up to 600V
- **Compact Barrier-Type Design** – Especially suited for electronic and control applications
- **Feed-Thru, Printed Circuit or Surface Connection** – One thru 26 terminals on 7/16" center-to-center spacing
- **Broad Wire Range** – UL recognized for No. 22AWG to No. 12AWG, depending on type of external contact designated, with CSA requiring use of lugs on wire larger than No. 16AWG.
- **Terminal Flexibility** – External terminals available in two screw sizes with various internal terminal types
- **Recognition and Listing** – UL recognized and CSA certified

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

Guide No. 22.2 No. 158, Report No. LR39186-1.

INTERNAL TERMINAL DESIGNATIONS

GFTP	Printed circuit board design with .062" dia. tin-plated brass turret-type solder pin
GFT	Tin-plated brass turret-type solder pin
GFTS	Unplated brass insert. No. 6-32 plated steel screw.
GBS	Unplated brass insert. Closed-back design which can be mounted on metal surface with no additional insulation required.
GBP	Printed circuit board design with .062" dia. tin plated brass pin.
GBFT	Tin-plated brass turret-type solder pin.
GFTQX	.250 x .031 tin-plated brass quick connect tab terminal.

EXTERNAL TERMINAL DESIGNATIONS

GBFT, GBP,	Screw terminal with No. 6-32 plated steel*
GBS, GFT, GFTP	Screw accepting up to No. 12AWG wire
GBFTA, GBPA, GBSA, GFTA, GFTSA, GFTPA	Screw terminal with No. 8-32 plated steel* screw accepting up to No. 12AWG wire

* Other materials available – contact factory or your local representative for additional information.

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Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: 7/16" (11.11mm)

Wire Range: No. 22AWG to No. 12AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

No. of Terminals: 1 thru 26

Voltage Rating:

CSA – 300 volts
UL – *150 volts – General Industrial
**250 volts – Commercial Applications
300 volts – Limited Energy Applications
600 volts – Limited Energy Applications

* GFT, GFTP, GFTS, GFTAL rated for 300 volts.
** GFTQALX rated for 125 volts.

Tightening Torque:

Wire Binding Screw 9 in.-lb.
Wire Clamp 9 in.-lb.

Current Rating: 20 amps, UL and CSA

Housing:	**Standard**	**"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 (24 hrs. % wt. gain)	.04%	.06%
Breakdown Voltage:	**GFT**	**GB**
Terminal - Terminal	3,600V Typ.	5,000V Typ.
Terminal - Ground	5,800V Typ.	7,900V Typ.

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

How to Order

GB/GFT Series terminal blocks are ordered by listing a composite number made up of the model designatin followed by the number of poles required for the applicaiton. Example: Type GBP 10-pole block becomes stock number GBP-10.

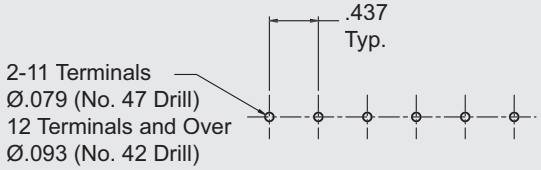
Suffixes are used as follows:

- A denotes model with No. 8-32 external screw terminal
- C denotes model less mounting positions
- X denotes model with thermoplastic molding

To specify quick-connect terminals, simply add the style number required. May be purchased factory-assembled or as customer-installed accessory.

The GBP-10 described above – made from thermo-set phenolic – less mounting positions thus converts to sock number GBPC-10.

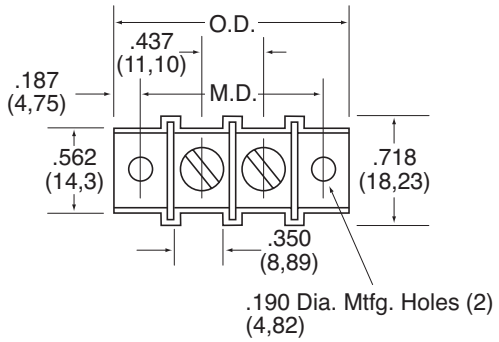
PC BOARD DRILLING DIMENSIONS



Series GFT/GB With Mounting Ends					**Without Mounting Ends**	
Number of Terminals	**Dimensions**					
	B ± .031 Mounting Dimensions (M.D.)		**A ± .031 Overall Dimensions (O.D.)**		**C ± .031 Less Mounting Positions**	
	Inches	**Metric (mm)**	**Inches**	**Metric (mm)**	**Inches**	**Metric (mm)**
1	.875	22.22	1.250	31.75	.562	14.28
2	1.312	33.33	1.687	42.86	1.000	25.40
3	1.750	44.45	2.125	53.97	1.437	36.51
4	2.187	55.56	2.562	65.08	1.875	47.62
5	2.625	66.67	3.000	76.20	2.312	58.73
6	3.062	77.78	3.437	87.31	2.750	69.85
7	3.500	88.90	3.875	98.42	3.187	80.96
8	3.937	100.01	4.312	109.53	3.625	92.07
9	4.375	111.12	4.750	120.65	4.062	103.18
10	4.812	122.23	5.187	131.76	4.500	114.30
11	5.250	133.35	5.625	142.87	4.937	125.41
12	5.687	144.46	6.062	153.98	5.375	136.52
13	6.125	155.57	6.500	165.10	5.812	147.63
14	6.562	166.68	6.937	176.21	6.250	158.75
15	7.000	177.80	7.375	187.32	6.687	169.86
16	7.437	188.91	7.812	198.43	7.125	180.97
17	7.875	200.02	8.250	209.55	7.562	192.08
18	8.312	211.13	8.687	220.66	8.000	203.20
19	8.750	222.25	9.125	231.77	8.437	214.31
20	9.187	233.36	9.562	242.88	8.875	225.42
21	9.625	244.47	10.000	254.00	9.312	236.53
22	10.062	255.58	10.437	265.11	9.750	247.65
23	10.500	266.70	10.875	276.22	10.187	258.76
24	10.937	277.81	11.312	287.33	10.625	269.87
25	11.375	288.92	11.750	298.45	11.062	280.98
26	11.812	300.03	12.187	309.56	11.500	292.10

Dimensions shown are ± 0.030"

Series GFT/GB with Mounting Ends

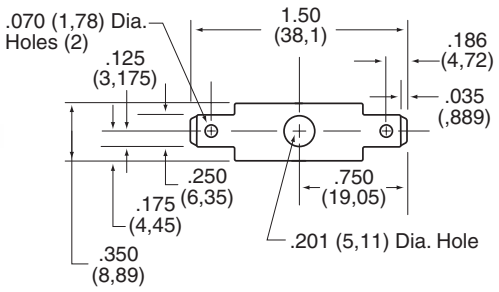


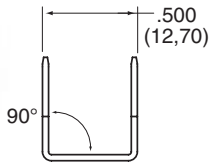
Series GFT/GB Accessories

QUICK-CONNECT TERMINALS

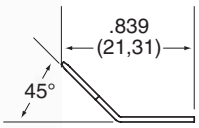
GFT-GFT – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.

TB21

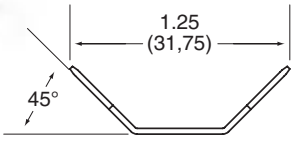




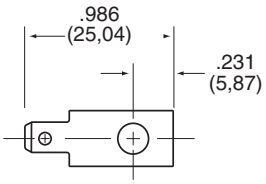
TB22



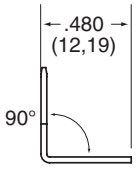
TB26



TB23



TB24



TB25

Single Row

BARRIER STYLE

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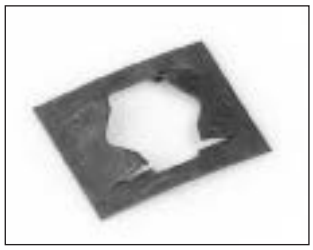
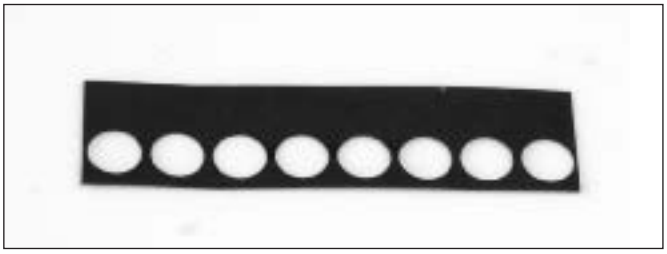
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for
reference purposes only.

TINNERMAN NUT

GFT – for speed mounting of terminal blocks less mounting position.
Part No. TN-437.



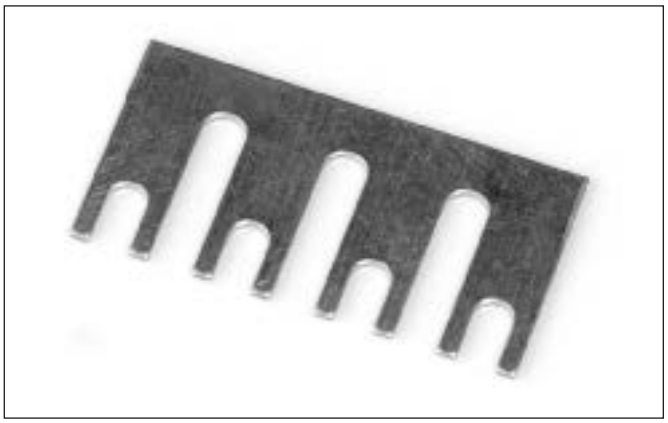


MARKING STRIPS

GB/GFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.
To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 26 (less mounting hole).

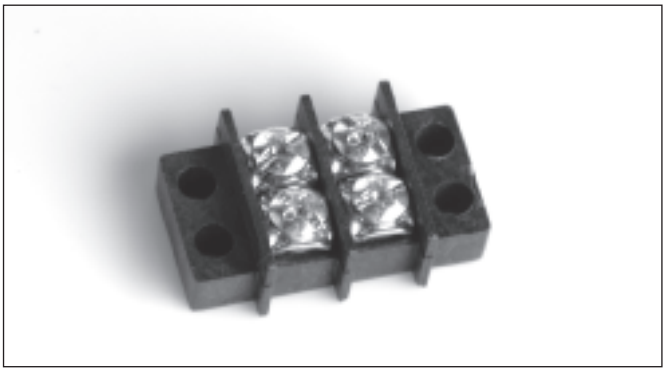
COVERS

GB/GFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.
Part No. 267B86-1 thru 26 terminals

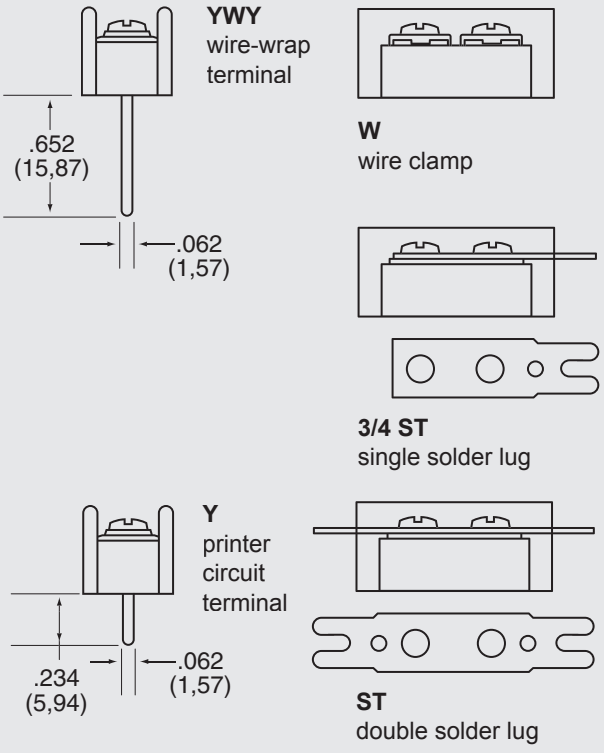


TERMINAL BLOCK JUMPERS

GB/GFT – Plated in two styles. Types 267A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. “Rooster comb” design of Type 267A42 permits connections of two to 18 poles.
To order, specify: Part No. 267A42 (plus no. of poles)
Example: 267A42-18



Series 1500 Variations



Features:

- **Flexible Hi-Temp Thermoplastic Terminal Blocks** – Self-extinguishing types which resist breakage and other damage (conform to UL 94V-0).
- **Terminal Flexibility** – Ideal for surface mount, sub-panel or chassis connections in electronic/electrical circuit applications. One thru 22 terminals. 1500 Series is .375" on centers.
- **Economical Closed-Back Design** – No need for costly insulation strip.
- **Broad Wire Range** – No. 6-32 external twin screws, UL recognized for No. 22AWG to No. 10AWG. Variations include double solder lug, single solder lug, wire wrap, solder pin and printed circuit pin.
- **UL/CSA Electrical Ratings** – UL 30A/1100V RMS (1/3 breakdown voltage), CSA rating 15A/300V.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

INTERNAL TERMINAL DESIGNATIONS

1500-Y	printed circuit board design with .062" x .031" solderable tin-plated pin
1500-YWY	feed-thru wire wrap

EXTERNAL TERMINAL DESIGNATIONS

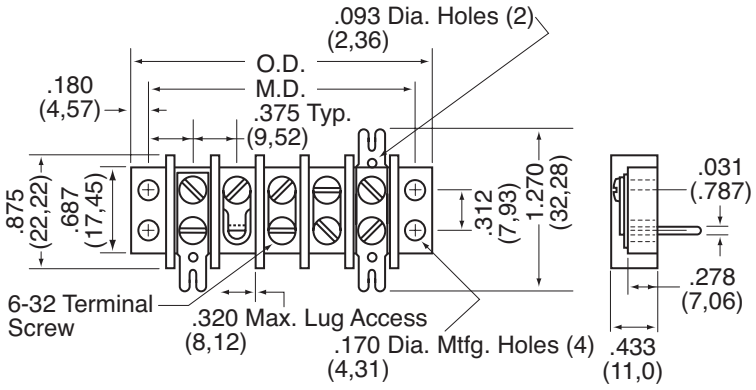
1500	screw terminal with No. 6-32 plated steel* screw accepting up to No. 10AWG wire
1500-ST	solderable tin-plated double solder tab
1500-3/4ST	solderable tin-plated single solder tab
1500-W	wire clamp captivated to a No. 6-32 plated steel screw

* Other materials available – contact factory or your local representative for additional information.

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

Guide No. 22.2 No. 158, Report No. LR39186-1. COMPLIES WITH IEC 947-7-1

Series 1500 Dimensions



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Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .375" (9.52mm)

Wire Range: Up to No. 12AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

No. of Terminals: 1 thru 22

Voltage Rating:

CSA – 300V

UL – 150V – General Industrial
250V – Commercial Appliance
300V – Limited Energy Industrial

Tightening Torque: Wire Clamp and Wire Binding Screw 12 in.-lbs.

Current Rating: UL: 20 amps CSA: 15 amps

Housing:

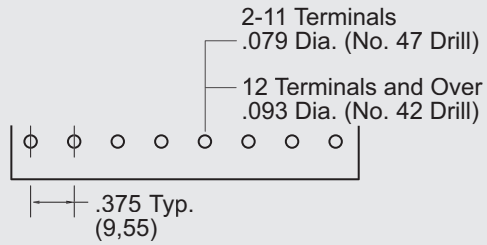
Material	Polyphenylene Oxide
Continuous Use Temp. (UL Index)	110°C (230°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.06%
Chemical Resistance	Resistant to inorganic bases and acids. For organic substances contact factory for specific resistance.

Breakdown Voltage:

Terminal - Terminal	3,400V Typ.
Terminal - Ground	7,300V Typ.

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

PC BOARD DRILLING DIMENSIONS



How to Order

1500 Series terminal blocks are ordered by listing a composite number made up of the model designation in which the last two digits indicate the number of poles required for the application. Example: A 1500 10-terminal block (3/8" centers) becomes stock number 1510.

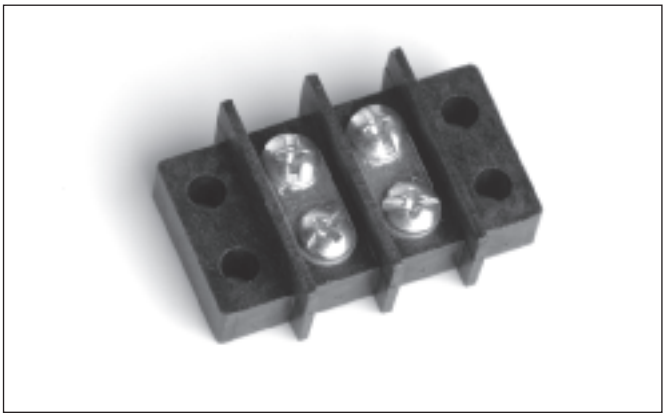
Suffixes are used as follows:

ST	denotes double solder lug
3/4ST	denotes single solder lug
Y	denotes printed circuit pin
YWY	feed-thru wire wrap
W	wire clamp

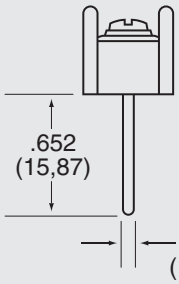
The 1510 described above, with double solder lug mounting on 3/8" centers thus converts to stock number 1510-ST. To specify quick-connect terminals, simply add the style number required. (See accessories.) May be purchased factory-assembled or as customer-installed accessory.

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	.750	19.05	1.030	26.16
2	1.125	28.57	1.405	35.68
3	1.500	38.10	1.780	45.21
4	1.875	47.62	2.155	54.73
5	2.250	57.15	2.530	64.26
6	2.625	66.67	2.905	73.78
7	3.000	76.20	3.280	83.31
8	3.375	85.72	3.655	92.83
9	3.750	95.25	4.030	102.36
10	4.125	104.77	4.405	111.88
11	4.500	114.30	4.780	121.41
12	4.875	123.82	5.155	130.93
13	5.250	133.35	5.530	140.46
14	5.625	142.87	5.905	149.98
15	6.000	152.40	6.280	159.51
16	6.375	161.92	6.655	169.03
17	6.750	171.45	7.030	178.56
18	7.125	180.97	7.405	188.08
19	7.500	190.05	7.780	197.61
20	7.875	200.02	8.155	207.13
21	8.250	209.55	8.530	216.66
22	8.625	219.07	8.905	226.18

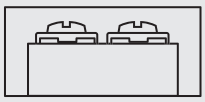
Dimensions Shown are ± 0.030"



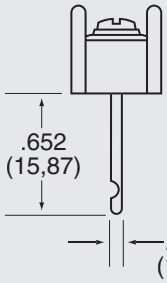
Series 2000 Variations



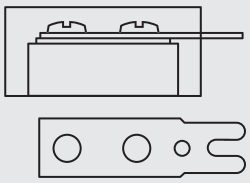
YWY
wire-wrap
terminal



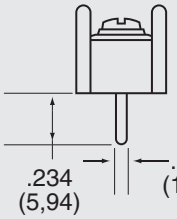
W
wire clamp



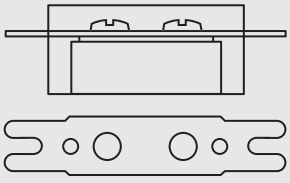
YSY
solder
terminal



3/4 ST
single solder lug



Y
printer
circuit
terminal



ST
double solder lug

Features:

- **Flexible Hi-Temp Thermoplastic Terminal Blocks** – Self-extinguishing types which resist breakage and other damage (conform to UL94V-0).
- **Terminal Flexibility** – Ideal for surface mount, sub-panel or chassis connections in electronic/electrical circuit applications. One thru 26 terminals.
- **Economical Closed-Back Design** – No need for costly insulation strip.
- **Broad Wire Range** – No. 6-32 external twin screws, UL recognized for No. 22AWG to No. 10AWG. Variations include double solder lug, single solder lug, wire wrap, solder pin and printed circuit pin.
- **UL/CSA Electrical Ratings** – UL 30A/1100V RMS (1/3 breakdown voltage), CSA rating: 20A/300.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

INTERNAL TERMINAL DESIGNATIONS

2000-Y	printed circuit board design with .062" x .031" solderable tin-plated pin
2000-YSY	solder pin
2000-YWY	wire wrap

EXTERNAL TERMINAL DESIGNATIONS

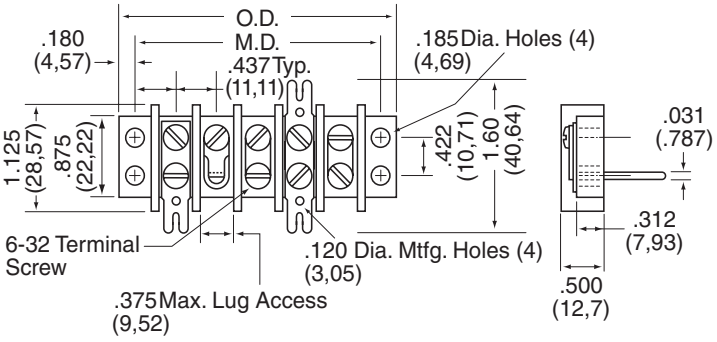
2000	screw teminal with No. 6-32 plated steel* screw accepting up to No. 10AWG wire
2000-ST	solderable tin-plated double solder tab
2000-3/4ST	solderable tin-plated single solder tab
2000-W	wire clamp captivated to a No. 6-32 plated steel screw

* Other materials available – contact factory or your local representative for additional information.

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

Guide No. 22.2 No. 158, Report No. LR39186-1. COMPLIES WITH IEC 947-7-1

Series 2000 Dimensions



Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .4375" (11.11mm)

Wire Range: Up to No. 10AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

No. of Terminals: 1 thru 26

Voltage Rating:

CSA – 300V

UL – 150V – General Industrial
250V – Commercial Appliance
300V – Limited Energy Industrial

Tightening Torque: Wire Clamp and Wire Binding Screw 12 in.-lbs.

Current Rating: UL: 30 amps CSA: 20 amps

Housing:

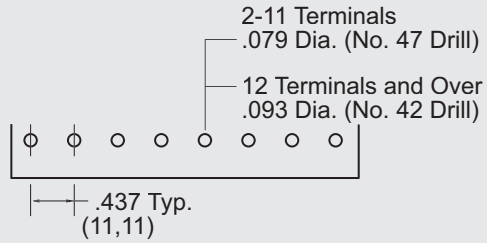
Material	Polyphenylene Oxide
Continuous Use Temp. (UL Index)	110°C (230°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.06%
Chemical Resistance	Resistant to inorganic bases and acids. For organic substances contact factory for specific resistance.

Breakdown Voltage:

Terminal - Terminal	4,400V Typ.
Terminal - Ground	7,700V Typ.

Note: Specifications contained herein are subject to change without notice

PC BOARD DRILLING DIMENSIONS



How to Order

2000 Series terminal blocks are ordered by listing a composite number made up of the model designation in which the last two digits indicate the number of poles required for the application. Example: A 2000 10-terminal block becomes stock number 2010.

Suffixes are used as follows:

ST	denotes double solder lug
3/4ST	denotes single solder lug
Y	denotes printed circuit pin
YSY	solder pin
YWY	wire wrap
W	wire clamp

The 2010 described above, with double solder lug mounting on 7/16" centers thus converts to stock number 2010-ST. To specify quick-connect terminals, simply add the style number required. (See accessories.) May be purchased factory-assembled or as customer-installed accessory.

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	.875	22.22	1.235	31.36
2	1.312	33.33	1.672	42.48
3	1.750	44.45	2.110	53.59
4	2.187	55.56	2.547	64.70
5	2.625	66.67	2.985	75.81
6	3.062	77.78	3.422	86.93
7	3.500	88.90	3.860	98.04
8	3.937	100.01	4.297	109.15
9	4.375	111.12	4.735	120.26
10	4.812	122.23	5.172	131.38
11	5.250	133.35	5.610	142.49
12	5.687	144.46	6.047	153.60
13	6.125	155.57	6.485	164.71
14	6.562	166.68	6.922	175.83
15	7.000	177.80	7.360	186.94
16	7.437	188.91	7.797	198.05
17	7.875	200.02	8.235	209.16
18	8.312	211.13	8.672	220.28
19	8.750	222.25	9.110	231.39
20	9.187	233.36	9.547	242.50
21	9.625	244.47	9.985	253.61
22	10.062	255.58	10.422	264.73
23	10.500	266.70	10.860	275.84
24	10.938	277.83	11.299	286.77
25	11.376	288.95	11.736	298.09
26	11.814	300.08	12.174	309.22

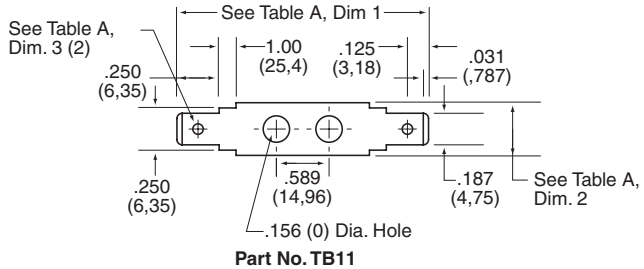
Dimensions Shown are ± 0.030"

Series 1500/2000 Accessories

QUICK-CONNECT TERMINALS

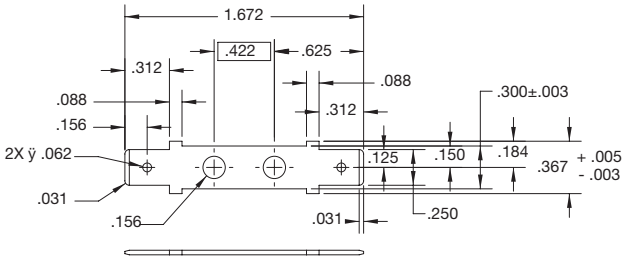
1500/2000 – Available with .187" x .202" quick-connect tabs for 1500 series; .250" x .032" for 2000 series. Nine styles . . . tin-plated brass tabs held in place by terminal screws. Up to six terminations per pole. To order, specify:
1500 Series: Part No. TB11-19
2000 Series: Part No. TB31-39

Last digit of part number corresponds to previous style numbers.



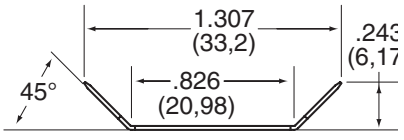
Part No. TB11

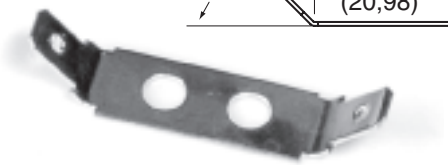
TB11 (1500)

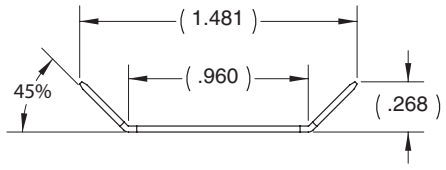


TB31 (2000)

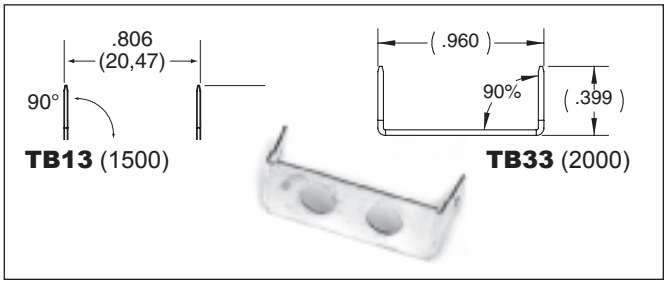
TB12 (1500)





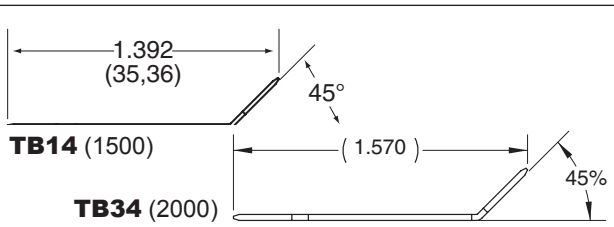


TB32 (2000)



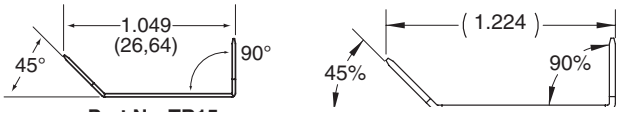
TB13 (1500)

TB33 (2000)



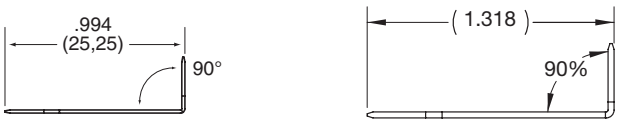
TB14 (1500)

TB34 (2000)



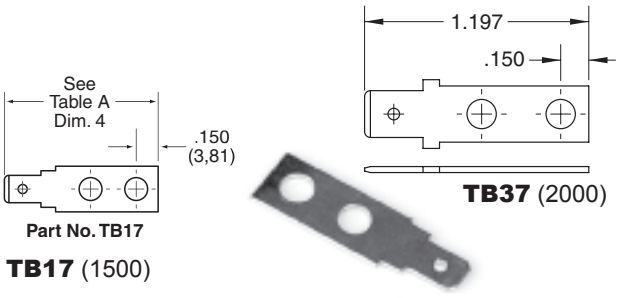
TB15 (1500)

TB35 (2000)



TB16 (1500)

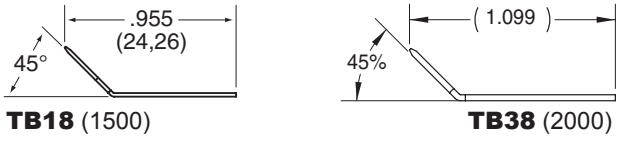
TB36 (2000)



Part No. TB17

TB17 (1500)

TB37 (2000)



TB18 (1500)

TB38 (2000)

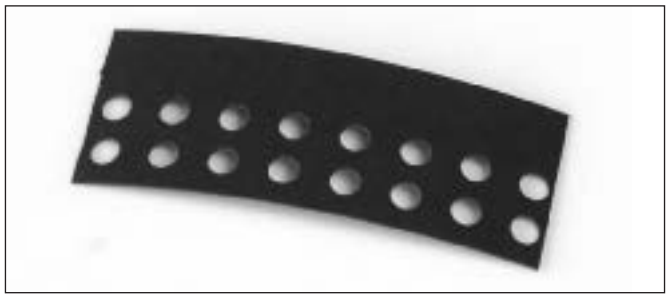
Part No. TB19

TB19 (1500)

TB39 (2000)

Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for reference purposes only.

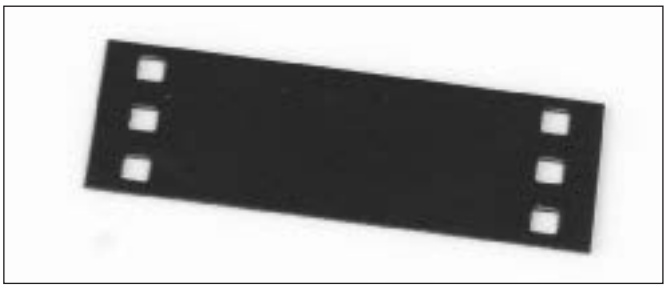


MARKING STRIPS

1500/2000 Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.
To order, specify:
1500 Series – Part No. 247A10-1 thru 22
2000 Series – Part No. 247A11-1 thru 22

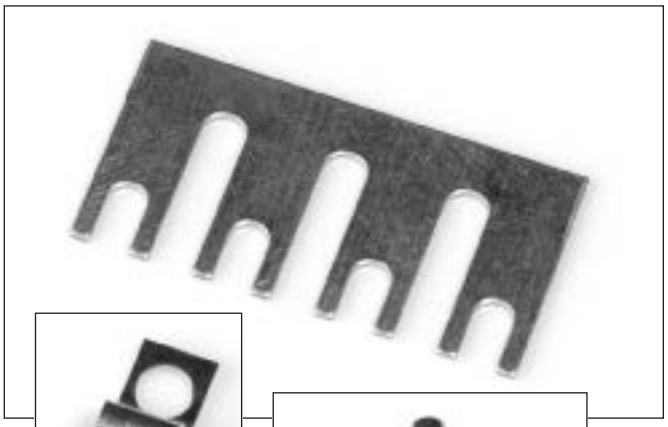
WIRE CLAMP

1500/2000 – Wire clamp captivated to No. 6-32 screw eliminates need for lugs.
1500 Series – Part No. 058525700
2000 Series – Part No. 058526700



COVERS

1500/2000 – Rigid .030" thick self-extinguishing vinyl. Complete with spring clips for attaching to mounting positions.
To order, specify:
1500 Series – Part No. 247B24-1 thru 26 terminals
2000 Series – Part No. 247B25-1 thru 26 terminals



Part No. 68240100

Part No. 68245100

TERMINAL BLOCK JUMPERS

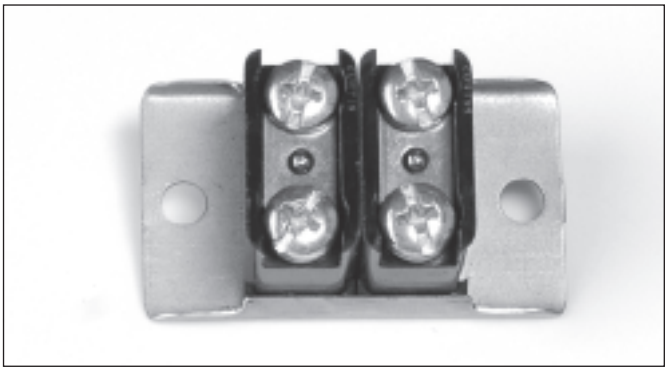
1500 – Jumper is constructed of plated brass. “Rooster comb” design permits connections of two to 10 poles.
To order, specify: Part No. 278-A11 (plus no. of poles)

Example: 278A11-10

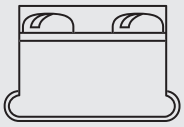
Part No. 68240100 (Holes) or 68245100 (slots)
(2-pole jumper for 1500 only)

2000 – Plated brass in two styles. Types 267A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. “Rooster comb” design of Type 267A42 permits connections of two to 18 poles.
To order, specify: Part No. 267A42 (plus no. of poles)

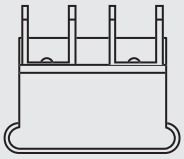
Example: 267A42-18



Series M Variations

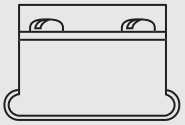


MA
terminal bar with two No. 8-32 screws

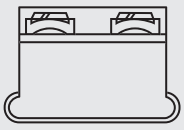


MAQ
four .250" side quick-connects

MALQ
two .250" wide quick-connects and one No. 8-32 screw



M
terminal bar with two No. 6-32 screws



MC
terminal bar with two captivated clamp assembles

Features:

- **Compact Modular Design for Low Power Circuits** – Suitable for surface connection applications using channel-assembled modular construction.
- **All-Surface Mountability** – Requires no additional insulation. Electro tin-coated steel mounting channel has two .196" diameter mounting holes.
- **Thermo-Set Phenolic Barrier-Type Terminal Blocks** – One thru 24 terminals on 1/2" center-to-center spacing.
- **Broad Choice of Terminal Connections** – Available in three screw designs and two .250" wide quick-connect variations offering up to four connections per terminal.
- **Wire Sizes** – M Series (No. 6-32 screw) is UL recognized for No. 22AWG to No. 14AWG. MA Series (No. 8-32 screw) is UL recognized for No. 22AWG to No. 12AWG. CSA requires lugs on wire larger than No. 14AWG for Series MA, and CSA requires lugs on No. 16AWG for Series M.
- **Current/Voltage Rating** – MA Series 25A/300V, M Series 15A/300V
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified.

TERMINAL DESIGNATIONS

***MA** 16-gauge (.051") brass terminal bar with two No. 8-32 plated steel screws per terminal accepting wire up to No. 12AWG

***MAQ** Four .250" x .032" brass quick-connect tabs per terminal accepting wire up to No. 12AWG

***MALQ** Two .250" x .032" brass quick-connect tabs and one No. 8-32 plated steel screw per terminal accepting wire up to No. 12AWG. Rated 25A/300V

***M** Brass terminal bar with two No. 6-32 plated steel screws per terminal accepting wire up to No. 14AWG

***MC** Brass terminal bar with two-piece No. 6-32 plated steel, capitvated clamp assemblies per terminal accepting wire up to No. 14AWG

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

Guide No. 22.2 No. 158, Report No. LR39186-1.

Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: .5" (12.7mm)

Wire Range:

UL Recognized
MA - No. 22AWG to 12 AWG
M - No. 22 AWG to 14 AWG

CSA:
Must use lugs for wire larger than
MA - 12 AWG
M - 16 AWG

No. of Terminals: 1 thru 24

Voltage Rating:

CSA – 300V

UL – 150V – General Industrial
250V – Commercial Appliance

Tightening Torque: 12 in.-lbs.

Current Rating: UL and CSA: 15A (M), 25A (MA)

Housing:

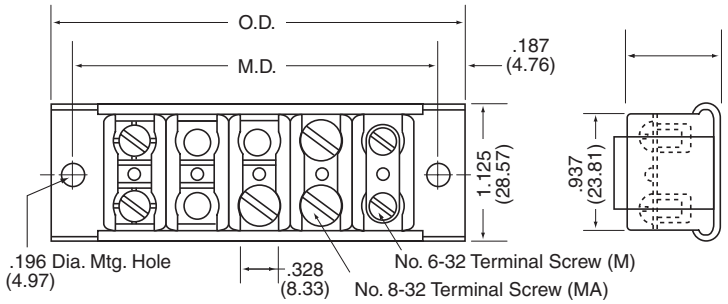
Material	Phenolic
Continuous Use Temp. (UL Index)	150°C (302°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.05%
Chemical Resistance	Resistant to most organic solvents

Breakdown Voltage:

Terminal - Terminal	7,400V Typ.
Terminal - Ground	7,800V Typ.

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

Series M Dimensions



NOTE: mm dim. are shown in parentheses

Series M Accessories

COVER
Plain cover of 1/16" thick black bakelite with two mounting studs. Supplied loose for customer installation.

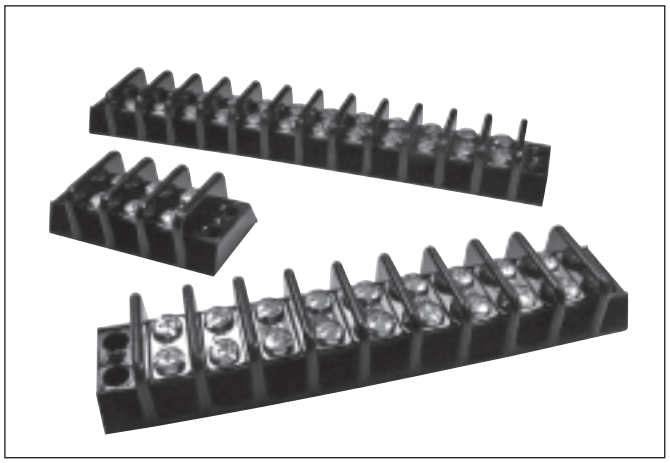
JUMPER
Brass jumper rates at 25 amps.
Part No. 258-A5

How to Order

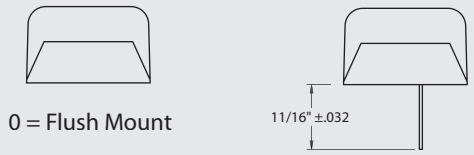
M Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application. Example: Type M 10-pole block becomes stock number M-10.

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	1.000	25.40	1.375	34.92
2	1.500	38.10	1.875	47.62
3	2.000	50.80	2.375	60.32
4	2.500	63.50	2.875	73.00
5	3.000	76.20	3.375	85.72
6	3.500	88.90	3.875	98.42
7	4.000	101.60	4.375	111.12
8	4.500	114.30	4.875	123.82
9	5.000	127.00	5.387	136.52
10	5.500	139.70	5.875	149.22
11	6.000	152.40	6.375	161.92
12	6.500	165.10	6.875	174.62
13	7.000	177.80	7.375	187.32
14	7.500	190.50	7.875	200.02
15	8.000	203.20	8.375	212.72
16	8.500	215.90	8.875	225.42
17	9.000	228.60	9.375	238.12
18	9.500	241.30	9.875	250.82
19	10.000	254.00	10.375	263.52
20	10.500	266.70	10.875	276.22
21	11.000	279.40	11.375	288.92
22	11.500	292.10	11.875	301.62
23	12.000	304.80	12.375	314.32
24	12.500	317.50	12.875	327.02

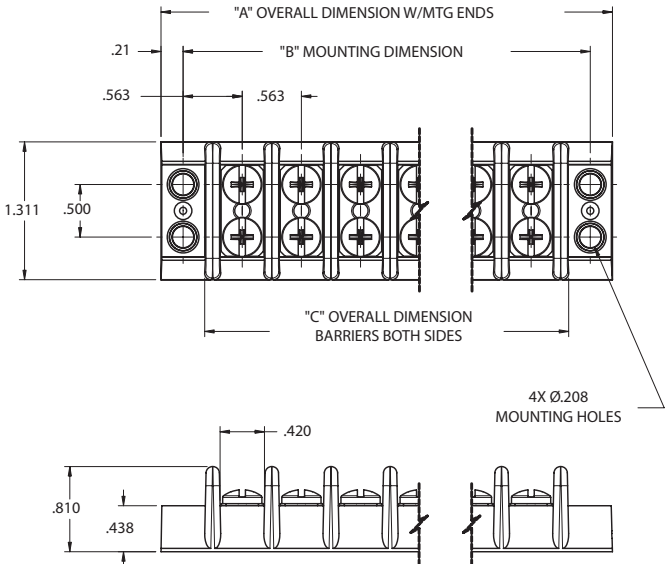
Dimensions shown are ± 0.030"



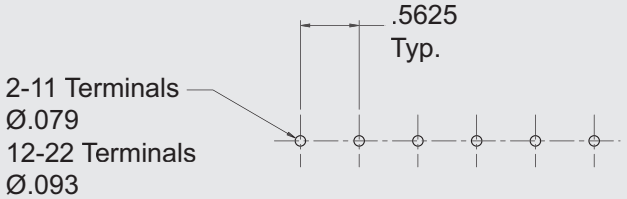
Series 5600 Variations



Series 5600 Dimensions



PC BOARD DRILLING DIMENSIONS



Features:

- Durable, Hi-Temp, phenolic is self-extinguishing, resists breakage and conforms to UL94V-0
- Terminal Flexibility is ideal for surface mount, sub-panel or chassis connections. One thru 22 terminals. 9/16" center-to-center spacing.
- Economical Closed-Back Design does not require costly insulation strip
- Broad Wire Range using 8-32 or 10-32 external twin screws, UL recognized for No. 22 AWG to No. 10 AWG. Variations include double solder lug, single solder lug, wire wrap and printed circuit pin
- UL Electrical Ratings
  50Amp up to 600VAC dependent on options
- Field Wiring to 40A
- Factory Wiring to 50A
- Recognition
  Various terminal types are UL recognized and CSA certified.

UL Standard 1059, Guide No. XCFR2

CSA Guide 22.2 No. 158

Designed to meet IEC 947-7-1

Specifications:

Center-to-Center Spacing: .563" (14.29mm)

Wire Range: No. 22AWG to No. 8AWG (No. 8 with ring lug for #10 screw only)

No. of Terminals: 1 thru 22

Voltage Rating: 600V

Tightening Torque: 16 in.-lbs. with #8 screws
20 in.-lbs. with #10 screws

Current Rating:
50A with #8 or #10 screw and ring lug
40A with #10 screw
35A with #8 Screw
(Options may affect current rating)

Housing:

Material	Phenolic
Continuous Use Temp. (UL Index)	150°C (302°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	.1%

Breakdown Voltage:

Terminal - Terminal	7,500 Vrms
Terminal - Ground	6,000 Vrms

Specifications subject to change.
Dimensions are shown for reference purposes only.

How to Order 56 0 0 0 0 00 0

MOLDING DESIGN
1 = Barriers Both Sides
2 = w/ Mounting Ends
3 = Y Pin with Barriers
4 = Y Pin with Mounting Ends
5 Thru 9 to be assigned.

TERMINATION DESIGN

Part No. Digit	Terminal Plate Type	Screw Type	Approval	*Field/ Factory
0 =	STEEL	STEEL	UR/cUR	2
1 =	STEEL	**BRASS	UR	1

** SEMS NOT AVAILABLE IN BRASS
*1 = FACTORY WIRING ONLY
2 = FACTORY & FIELD WIRING

SCREW SIZE
0 = 8-32 Thread
1 = 10-32 Thread

SPECIALS OR OPTIONAL DESIGNS
0 = None
1 = Double Tab, Flat (TB91)
2 = Double Tab, 45° Bend (TB92)
3 = Double Tab, 90° Bend (TB93)
7 = Single Tab, Flat (TB97)
8 = Single Tab, 45° Bend (TB98)
9 = Single Tab, 90° Bend (TB99)
A thru Z to be assigned by engineering for special configurations (optional jumper available)

NUMBER OF POLES AVAILABLE
Available
01-22 w/ Mounting Ends
01-22 w/ Barriers Both Ends

SCREW TYPE
0 = Binder Head, Combo Slot, Zinc Plated, Steel
2 = Binder Head, Combo Slot, Nickel Plated, Brass
4 = Wire Clamp Sems, Combo Slot, Zinc Plated, Steel
6 = Quick Connects Tabs Supplied w/ Binder Head (see special options)

Number of Terminals	Dimensions	
	"A" (Min-Max) Overall Dim. w/ Mounting Ends	"B" (Min-Max) Mounting Dim.
1	1.551–1.539	1.131–1.119
2	2.116–2.100	1.694–1.682
3	2.680–2.660	2.258–2.242
4	3.245–3.221	2.823–2.803
5	3.809–3.781	3.387–3.363
6	4.374–4.342	3.952–3.924
7	4.938–4.902	4.516–4.484
8	5.503–5.463	5.081–5.045
9	6.067–6.023	5.645–5.605
10	6.632–6.584	6.210–6.166
11	7.196–7.144	6.774–6.726
12	7.761–7.705	7.339–7.287
13	8.325–8.265	7.903–7.847
14	8.888–8.828	8.468–8.408
15	9.452–9.388	9.030–8.970
16	10.017–9.949	9.595–9.531
17	10.581–10.509	10.159–10.091
18	11.146–11.070	10.724–10.652
19	11.710–11.630	11.288–11.212
20	12.273–12.193	11.853–11.773
21	12.837–12.753	12.415–12.335
22	13.402–13.314	12.978–12.898

Dimensions shown are ± 0.030"

Double Sided
TB91
TB92
TB93

Single Sided
TB97
TB98
TB99

Series 5600 Accessories

QUICK CONNECT TERMINALS
.250" x .032" quick connect tabs available in 6 different styles. Tin-plated brass tabs are held in place by terminal screws. Terminal blocks can accommodate 1 to 6 terminations per pole. Factory assembled or shipped bulk.

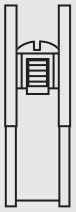
WIRE CLAMPS
Wire clamp captivated screws eliminate the need for lugs. Available for both 8-32 & 10-32 thread options, these screws accept up to No. 10AWG wire and may be factory installed or shipped bulk.

TERMINAL BLOCK JUMPERS
Jumpers constructed of plated brass permit connections of 2 poles

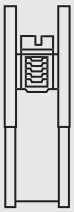
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Series SW & DSW .375" (9.52mm) Center-to-Center Spacing

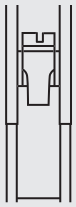
Series SW & DSW Variations and Terminal Designations



SWS & DSWS Brass terminal bars with No. 6-32 terminal screws. Accepts wire up to No. 14AWG. Requires the use of lugs.



SWT & DSWT Solderless electro-tinned tubular connector with No. 10-32 terminal screws. Accepts wire from No. 16AWG to No. 8AWG.



SWTC & DSWTC Solderless electro-tinned tubular connector with No. 10-32 terminal screws captivated by traveling pressure pad. Accepts wire from 22AWG to No. 8AWG.

Note: All variations as illustrated at left in two or three terminal modules only.

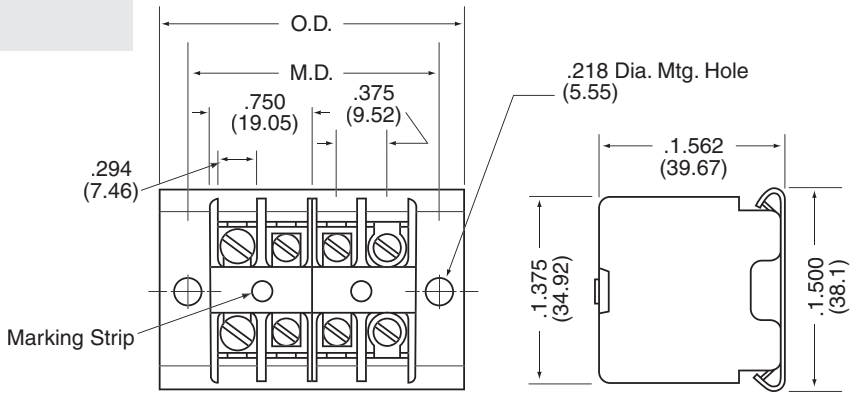
Features:

- **Snap-In Track-Type Concept** – To assemble two or three-pole modules simultaneously, simply insert one edge of the module under the flange of the track and with very little pressure snap into place. To remove, push center section of spring toward molding. Module will "pop free."
- **Total Modular Principle** – Two and three-pole nylon modules are complete with white fiber marking strips and retaining springs.
- **Reduced Inventory** – No end moldings, mounting brackets or metal mounting clamps are needed for assembly.
- **Compact Design** –3/8" center-to-center terminals provide compact circuit density. 32 poles per foot – 192 per six foot length.
- **Terminal Flexibility** – Three different terminal variations are available. Ratings up to 50A/600V.
- **Durable Modular Construction** – All SW models feature moldings of break-resistant nylon.
- **May be pre-assembled on track**
- **Wire Sizes** – Types SWS strap screw terminal with No. 6-32 screws. UL recognized for No. 22AWG to No. 14AWG. Type SWT tubular terminal with No. 10-32 screws. UL recognized for No. 16AWG to No. 8AWG. Type SWTC tubular clamp terminal with No. 10-32 screws. UL recognized for No. 22AWG to No. 8AWG.
- **Recognition and Listing** – UL recognized and CSA certified

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

Guide No. 22.2 No. 158, Report No. LR39186-1.

Series SW Dimensions



NOTE:mm dim. are shown in parentheses

Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: 3/8" (9.52mm)

Wire Range:
SWS & DSWS – No. 22AWG to No. 14AWG – requires use of lugs
SWT & DSWT – No. 16AWG to No. 8AWG
SWTC & DSWTC – No. 22AWG to No. 8AWG

No. of Terminals: 2 thru 192

Voltage Rating: CSA & UL: 600V

Tightening Torque:

SWS & DSWS	12 in.-lb.
SWT & DSWT	25 in.-lb.
SWTC & DSWTC	25 in.-lb.

Current Rating: SWS: 25A, SWT & SWTC: 50A

Housing:

Material	Polyamide
Continuous Use Temp. (UL Index)	125°C (257°F)
Flammability Rating	94V-2
Water Absorption (24 hrs. % wt. gain)	1.5%
Chemical Resistance	Outstanding resistance to both organic and inorganic substances

Breakdown Voltage:	**SWS/DSWS**	**SWT/DSWT**	**SWTC/DSWTC**
Terminal - Terminal	*7,000V Typ.*	*4,700V Typ.*	*4,900V Typ.*
Terminal - Ground	*8,400V Typ.*	*8,200V Typ.*	*9,300V Typ.*

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

How to Order

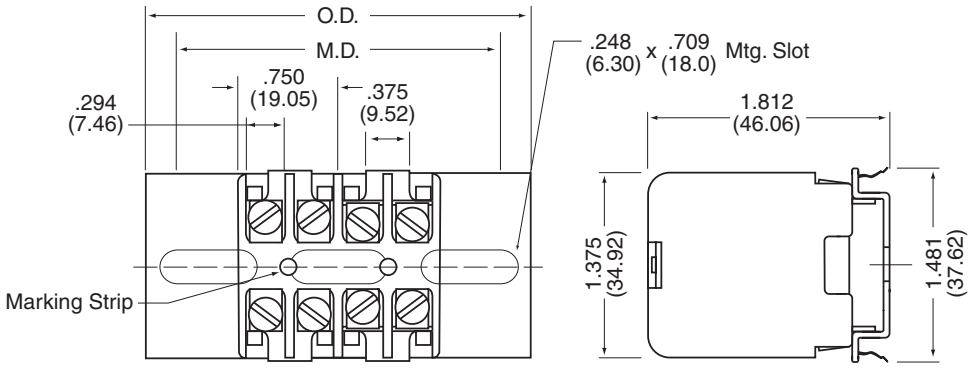
SW and DSW Series modules are ordered by listing a composite number made up of the model designation preceded by the number of poles per module.

Prefixes are used as follows:

2P denotes 2-pole module
3P denotes 3-pole module

Example: a 2-pole SWT module becomes stock number 2PSWT; a 3-pole module becomes 3PSWT.

Series DSW Dimensions



NOTE:mm dim. are shown in parentheses

Call factory for mounting dimesions on other lengths.

Series SW and DSW Accessories

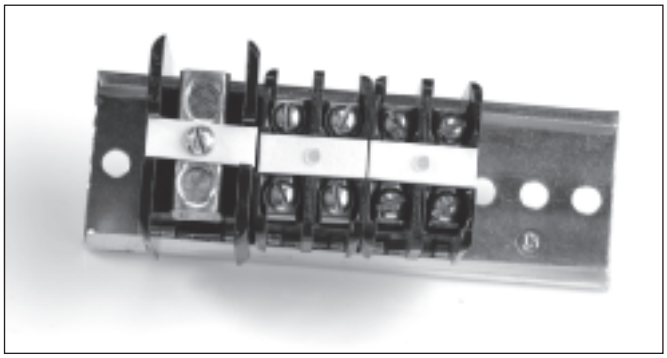
MARKING STRIPS

White fiber marking strip available in two or three-pole lengths or in pre-punched 100-ft. rolls.
To order, specify:
Part No. 275A8 2PSW
Part No. 275A9 3PSW
100-ft. Rolls – Part No. 20SW Coil
Pins – Part No. 21SW Pin

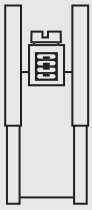
TERMINAL JUMPER CONNECTS

Brass jumper connects 12 consecutive terminals and can be cut for shorter applications
Part No. 275-A14.
Type 275-A16 is designed to connect two adjacent terminals.

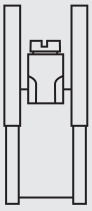
Series W 7/16" (11.11mm) Center-to-Center Spacing



Series W Variations and Terminal Designations



WT Solderless electro-tinned tubular connector with No. 10-32 terminal screws. Accepts wire from No. 16AWG to No. 8AWG. Rated 50A/600V.



WTC Solderless electro-tinned tubular connector with No. 10-32 terminal screws capitivated by traveling pressure pad. Accepts wire from No. 22AWG to No. 8AWG. Rated 50A/600V

WH Solderless electro-tinned tubular connector with sidewall tapped for 5/16" - 24 terminal screw. Accepts wire from No. 22AWG to No. 4AWG. Rated 75A/600V.

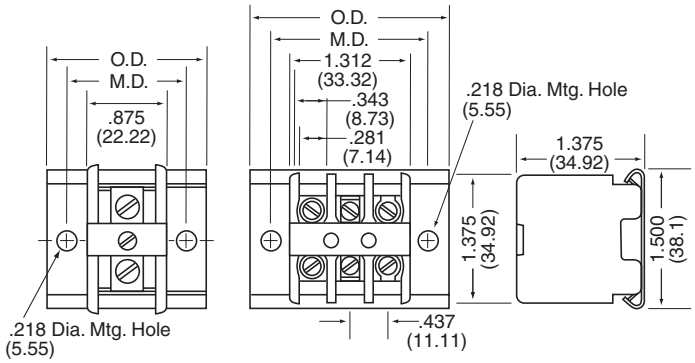
Features:

- **Snap-In Track-Type Concept** – To assemble two or three-pole modules simultaneously, simply insert one edge of the module under the flange of the track and with very little pressure snap into place. To remove, push center section of spring toward molding. Module will “pop free.”
- **Total Modular Principle** – Two and three-pole phenolic modules are complete with white fiber marking strips and retaining springs.
- **Reduced Inventory** – No end moldings, mounting brackets or metal mounting clamps are needed for assembly.
- **Compact Design** –7/16" center-to-center terminals provide compact circuit density. 164 poles per six foot length.
- **Terminal Flexibility** – Three different terminal variations are available. Ratings up to 75A/600V.
- **Durable Modular Construction** – All W models feature rugged thermo-set phenolic moldings.
- **May be pre-assembled on track**
- **Wire Sizes** – Types WT with No. 10-32 tubular terminal screws UL recognized for No. 16AWG to No 8AWG. Type WTC tubular clamp terminal with No. 10-32 screws UL recognized for No. 22AWG to No. 8AWG. Type WH with 5/16-24 terminal screws UL recognized for No. 22AWG to No. 4AWG.
- **Recognition and Listing** – UL recognized and CSA certified

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

Guide No. 22.2 No. 158, Report No. LR39186-1.

Series W Dimensions



NOTE: mm dim. are shown in parentheses

How to Order

W Series modules are ordered by listing a composite number made up of the model designation preceded by a prefix which indicaes the number of poles per module.

Prefixes are used as follows:

P denotes 1-pole module
2P denotes 2-pole module

Example: a 2-pole WT module becomes stock number 2PWT and a WH Type available as single terminal module only is referred to as PWH.

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Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Center-to-Center Spacing: 7/16" (11.11mm)

Wire Range:
WT – No. 16AWG to No. 8AWG
WTC – No. 22AWG to No. 8AWG
WH – No. 22AWG to No. 4AWG

No. of Terminals: 2 thru 164

Voltage Rating: CSA & UL: 600V

Tightening Torque:

WT, WTC	25 in.-lb.
WH	45 in.-lb. (4-6AWG)
	40 in.-lb. (8AWG)
	35 in.-lb. (10-14 AWG)

Current Rating: WT, WTC: 50A, WH: 75A

Housing:

Material	Phenolic
Continuous Use Temp. (UL Index)	150°C (302°F)
Flammability Rating	94V-1
Water Absorption (24 hrs. % wt. gain)	0.5%
Chemical Resistance	Resistant to most organic solvents

Breakdown Voltage:	**WT**	**WTC**	**WH**
Terminal - Terminal	*6,300V Typ.*	*5,100V Typ.*	*10,500V Typ.*
Terminal - Ground	*10,100V Typ.*	*10,100V Typ.*	*7,700V Typ.*

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

Series W Accessories

MARKING STRIPS

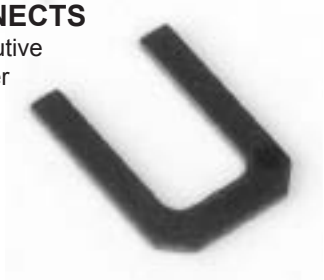
White fiber marking strip available in two or three-pole lengths or in pre-punched 100-ft. rolls.
To order, specify:
Part No. 271A11 (2PW)
Part No. 271A13 (3PW)
100-ft. Rolls – Part No. 20W
Pins – Part No. 21W

TERMINAL JUMPER CONNECTS

Brass jumper connects 12 consecutive terminals and can be cut for shorter applications. Part No. 271-A72

Type 275-A16 is designed to connect two adjacent terminals of WT and WTC assembles.

Part No. 275-A16



Tracks

Features:

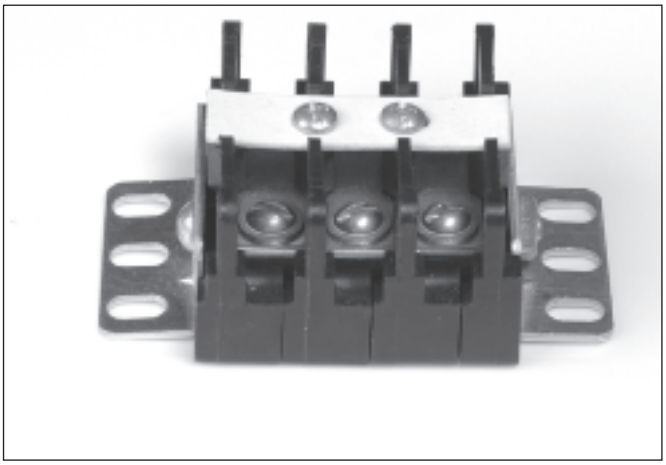
- STURDY TRACK – constructed of heavy steel with zinc-dichromate plating. Mounting holes are 7/32 inch diameter and provided continuously on 3/8 inch center-to-center spacing (SW Series) and 7/16 inch centers (W Series). DIN mounting holes are slots .248" wide by .709" long on .984" center-to-center spacing.
- ECONOMICAL STANDARD LENGTHS – mounting track available in three and six-foot pre-cut lengths for self-cutting to application needs. DIN track available in two meter (78.74") lengths.
- PRE-CUT TRACK – available for large volume work where identical lengths are used. Save cutting time in your plant.
- SW, DSW, W AND DW SERIES COMPATIBILITY – track accommodates both W and SW Series of snap-in track type modules with any combination of terminal assemblies, fuse blocks, etc. DIN track accommodates DW and DSW Series modules.

How to Order

When ordering non-DIN track to a specified size, simply designate model followed by length required, expressed in poles. Example: SW with space for 24 poles plus two mounting holes becomes stock number SW-24. For standard three and six foot lengths, simply designate model followed by 96 or 192 respectively (SW Series) or 82/164 (W Series). Examples: SW-96 or SW-192; W-82 or W-164. For DIN track, specify DT and length of track desired (in 2.5 centimeter increments). For example, DT-10 designates DIN track 10 centimeters in length. Dimensions are ± .10 cm.

Fuse blocks, knife switches and WH Type terminal assembles are the same width as two-pole W modules and therefore require twice the space of a single pole W.

Type CDM 35/64" (13.86mm) Center-to-Center Spacing



Features:

- **Versatile Medium Power Terminal Blocks** – Designed for surface mount; power and control applications requiring a wide range of terminal variations.
- **Sectional Thru-Bolt Construction** – Available in one thru 50 terminals on 35/64" center-to-center spacing. Rated 30A/600V for Type CDM.
- **Durable Break-Resistant Thermoplastic Moldings**
- **Wire Sizes** – Type CDM features brass terminal bar with two No. 10-32 washer-head screws. UL recognized for No. 22AWG to No. 10AWG.
- **Easy Crcuit Identification Design** – Barrer-type terminals are furnished with a white fiber marking strip.
- **Recognition and Listing** – Various terminal types are UL recognized and CSA certified

Specifications:

Center-to-Center Spacing: 35/64" (13.86mm)

Wire Range:
CDM: UL Recognized for 22AWG to No. 10AWG

No. of Terminals: 1 thru 50

Voltage Rating: CSA & UL: 600V

Tightening Torque: 35 in.-lb.

Current Rating: CDM: 30 amps, UL and CSA.

Housing:

Material	Thermoplastic-polyester
Continuous Use Temp. (UL Index)	130°C (266°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	0.7%
Chemical Resistance	Excellent in most environments

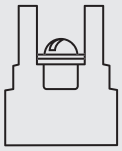
Breakdown Voltage:	**CDM**
Terminal - Terminal	9,600V Typ.
Terminal - Ground	10,800V Typ.

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

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.

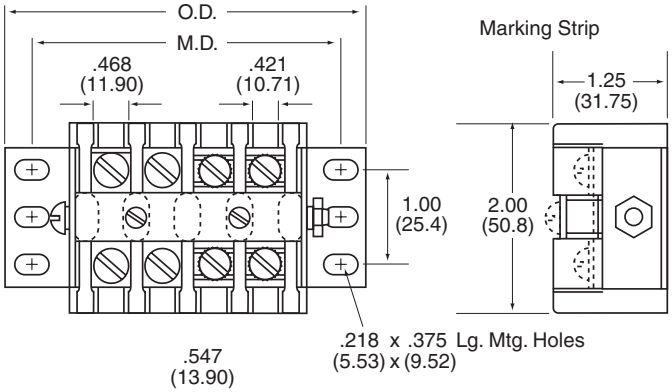
Type CDM Terminal Designation



CDM brass terminal bar with two No. 10-32 washer-head screws acceptig wire up to No. 10AWG. Rated 30A.

Type CDM Dimensions

NOTE: mm dim. are shown in parentheses



Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	1.625	42.48	2.346	59.59
2	2.220	56.38	2.896	73.56
3	2.767	70.28	3.441	87.40
4	3.314	84.18	3.988	101.30
5	3.861	98.08	4.535	115.19
6	4.409	111.98	5.083	129.11
7	4.956	125.88	5.630	143.00
8	5.503	139.78	6.177	156.90
9	6.050	153.68	6.724	170.79
10	6.598	167.58	7.272	184.71

Dimensions shown are ± 0.030"

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Specifications subject to change.
Dimensions are shown for reference purposes only.

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
11	7.145	181.48	7.819	198.60
12	7.692	195.38	8.366	212.50
13	8.239	209.28	8.913	226.39
14	8.787	233.18	9.461	240.31
15	9.334	237.08	10.008	254.20
16	9.881	250.98	10.555	268.10
17	10.428	264.88	11.102	281.99
18	10.976	278.78	11.650	295.91
19	11.523	292.68	12.197	309.80
20	12.070	306.58	12.744	323.70
21	12.617	320.48	13.291	337.59
22	13.165	334.38	13.839	351.51
23	13.712	348.28	14.386	365.40
24	14.259	362.18	14.933	379.30
25	14.806	376.08	15.480	393.19
26	15.354	389.98	16.028	407.11
27	15.901	403.88	16.575	421.01
28	16.448	417.78	17.122	434.90
29	16.995	431.68	17.669	448.79
30	17.543	445.58	18.217	462.71
31	18.090	459.48	18.764	476.61
32	18.637	473.38	19.311	490.50
33	19.184	487.28	19.858	504.39
34	19.732	501.18	20.406	518.31
35	20.279	515.08	20.953	532.21
36	20.826	528.98	21.500	546.10
37	21.373	542.88	22.047	559.99
38	21.921	556.78	22.595	573.91
39	22.468	570.68	23.142	587.81
40	23.015	584.58	23.689	601.70
41	23.562	598.48	24.236	615.59
42	24.110	612.38	24.784	629.51
43	24.657	626.28	25.331	643.41
44	25.204	640.18	25.878	657.30
45	25.751	654.08	26.425	671.20
46	26.299	667.98	26.973	685.11
47	26.846	681.88	27.520	699.01
48	27.393	695.78	28.067	712.90
49	27.940	709.68	28.614	726.80
50	28.488	723.50	29.162	740.71

Dimensions shown are ± 0.030"

How to Order

Type CDM 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: 10-pole terminal block becomes stock number CDM-10.

Series CDM Accessories

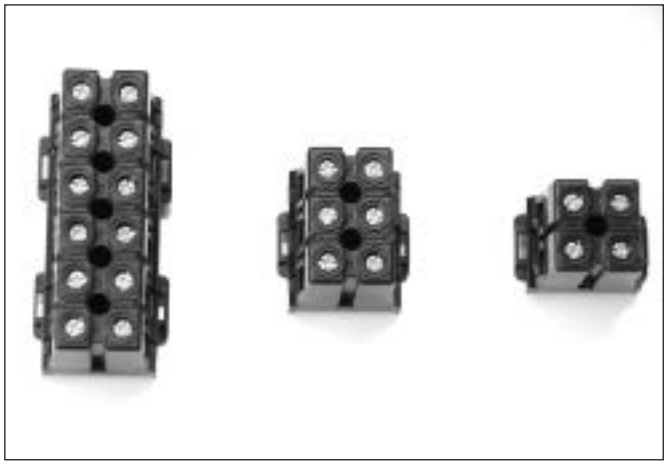
MARKING STRIPS

Two cover styles. Hinged cover of 3/16" thick black bakelite pivoting from special end brackets provide ready access to block. Factory-assembled and available only with original terminal block order. Plain cover of 1/16" thick black bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.
To order, specify:
CDM (Plain) – Part No. 265A61 – 1 thru 50 terminals
CDM (Hinged) – Part No. 265A67 – 1 thru 50 terminals

JUMPERS

Cooper jumper rated 30A. Designed to fold over barrier to connect adjacent terminals. To order, specify:
Part No. 523-A91

Series 71000 .629" (15.98mm) Center-to-Center Spacing



Features:

- DIN rail or base mounting (panel mounting with #6 screw)
- Captive, combo head screws
- Factory or field writing
- 600V at 85A
- Blocks can be placed end-to-end while maintaining center-to-center spacing
- .629 Center-to-Center Spacing
- Wire acceptance from 22AWG to 2AWG, 1AWG (7 & 19 strand only)
- No end moldings, mounting brackets or metal mounting clamps required
- Available pre-assembled to rail or in bulk

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.

Specifications:

Center-to-Center Spacing: .629" (15.98mm)

Wire Range:
1AWG (7 & 19 strand only), 2 AWG to 22AWG

No. of Terminals: 2, 3, 5 & 6

Voltage Rating: CSA & UL: 600V

Tightening Torque:

1AWG thru 4AWG	35 in.-lb. max
6AWG thru 14AWG	30 in.-lb. max
16AWG thru 22AWG	25 in.-lb. max

Current Rating:
86 amps – Copper Wire
50 amps – Aluminum Wire

Housing:

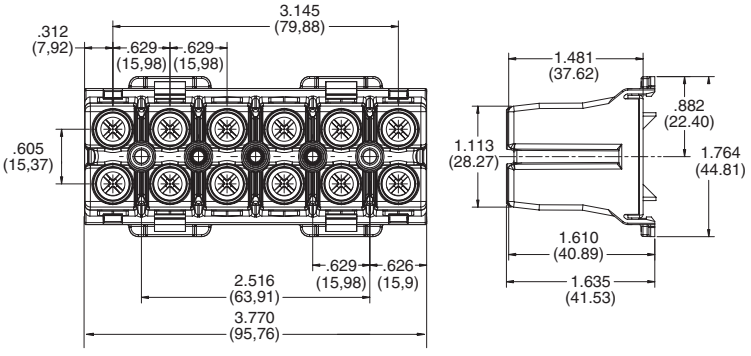
Material	Reinforced PBT Polyester
Continuous Use Temp. (UL Index)	140°C (284°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	0.7%
Chemical Resistance	Excellent in most environments

Breakdown Voltage:

Terminal - Terminal	7,500V Typ.
Terminal - Ground	7,000V Typ.

Terminals: 2, 3, 5 or 6

Series 71000 6-Pole Dimensions



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Specifications subject to change.
Dimensions are shown for reference purposes only.

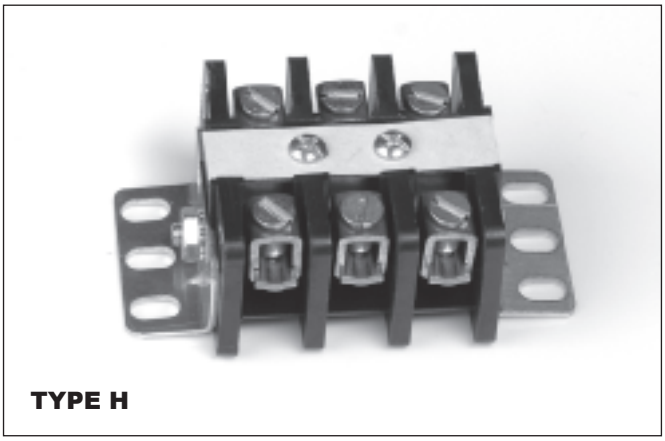
How to Order

71 0 2 X 000

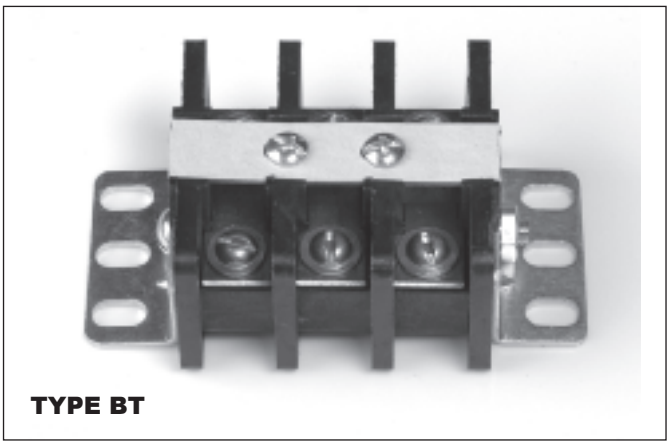
NUMBER OF POSITIONS
1, 2, 3, 5 or 6, Number of Active Poles

SPECIALS OR OPTIONAL DESIGNS
0 = None
A-Z = Custom Configuration

Types H & BT .652" (16.56mm) Center-to-Center Spacing



TYPE H



TYPE BT

Features:

- **Sectional, High and Medium Power Terminal Blocks** – Designed for high power applications and control/power circuits respectively. Units approach power ratings of larger terminal blocks whlie retaining increased circuit density of low power designs.
- **Broad Terminal Choice** – One thru 30 terminals on .652" center-to-center spacing with white fiber circuit marking strips.
- **Thru-Bolt Barrier-Type Construction** – Rated at 75A/600V for Type H; 30A/600V for Type BT.
- **Unique Bar and Traveling Collar Design** – Eliminates lugging of wire on Type H. UL recognized for No. 16AWG to No. 4AWG. Type BT uses two No. 10-32 terminal screws, UL recognized for No. 22AWG to No. 10AWG.
- **Combined Style Flexibility** – Types can be used in combination as well as be combined with types L, O, S, T & U for greater application flexibility.
- **Recognition and Listing** – UL recognized and CSA certified

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

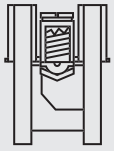
Guide No. 184-N-90, Report No. LR39186-1.

TERMINAL DESIGNATIONS

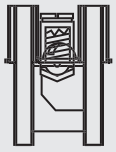
H Brass bar with high-pressure solderless connectors accepting wire form No. 16AWG to 4AWG.

BT Brass terminal bar with two No. 10-32 plated steel terminal screws accepting wire up to No. 10AWG.

Types H & BT Terminal Variations

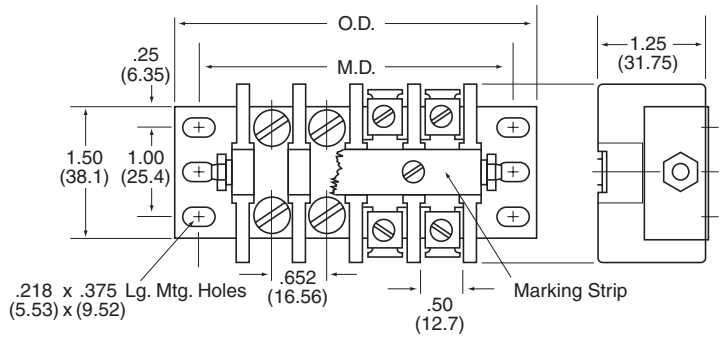


H
high-presure
solderless connector



BT
terminal bar with two
No. 10-32 screws

Types H & BT Dimensions



NOTE: mm dim. are shown in parentheses

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Specifications subject to change.
Dimensions are shown for
reference purposes only.

Specifications:

Center-to-Center Spacing: .652" (16.56mm)

Wire Range:
H: UL Recognized for 16AWG to No. 4AWG
HT: UL Recognized for 22AWG to No. 10AWG

No. of Terminals: 1 thru 30

Voltage Rating: CSA: 600V
UL: 600V General Industrial

Tightening Torque:
H: 45 in.-lb. (4WG to 6AWG)
40 in.-lb. (8AWG)
35 in.-lb. (10AWG to 16AWG)
BT: 20 in. - lbs.

Current Rating: H: 75 amps
BT: 30 amps, UL and CSA.

Housing:

Material	Thermoplastic-Polyester
Continuous Use Temp. (UL Index)	130°C (266°F)
Flammability Rating	94V-0
Water Absorption (24 hrs. % wt. gain)	0.7%
Chemical Resistance	Excellent in most environments

Breakdown Voltage:	**BT**	**H**
Terminal - Terminal	10,400V Typ.	8,100V Typ.
Terminal - Ground	8,400V Typ.	7,600V Typ.

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

How to Order

Types H and BT terminal blocks are ordered by listing a model number made up of the model designation followed by the number of terminals required for the application.

Example: a 10-pole terminal block becomes H-10 or BT-10

When ordering combinations of both types, the model number is made up of both model designations followed by total number of poles and number of each type.A composite of three H terminals followed by two BT terminals thus is converted to stock number HBT-5 (3H, 2BT).

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	1.66	42.1	2.36	59.8
2	2.31	58.6	3.01	76.4
3	2.96	75.1	3.66	92.9
4	3.61	91.6	4.31	109.4
5	4.26	108.1	4.96	126.0
6	4.91	124.6	5.61	142.5
7	5.56	141.1	6.26	159.1
8	6.21	157.6	6.92	175.6
9	6.86	174.1	7.57	192.2
10	7.51	190.6	8.22	208.7
11	8.16	207.1	8.87	225.3
12	8.81	223.6	9.52	241.8
13	9.46	240.2	10.17	258.4
14	10.10	256.6	10.82	274.9
15	10.75	273.2	11.48	291.5
16	11.40	289.7	12.13	308.0
17	12.05	306.2	12.78	324.6
18	12.70	322.7	13.43	341.1
19	13.35	339.2	14.08	357.7
20	14.00	355.7	14.73	374.2
21	14.65	372.2	15.39	390.8
22	15.30	388.7	16.04	407.3
23	15.95	405.2	16.69	423.9
24	16.60	421.7	17.34	440.4
25	17.25	438.2	17.99	457.0
26	17.40	454.7	18.64	473.5
27	18.55	471.2	19.29	490.1
28	19.20	487.7	19.95	506.6
29	19.85	504.2	20.60	523.2
30	20.50	520.7	21.25	539.7

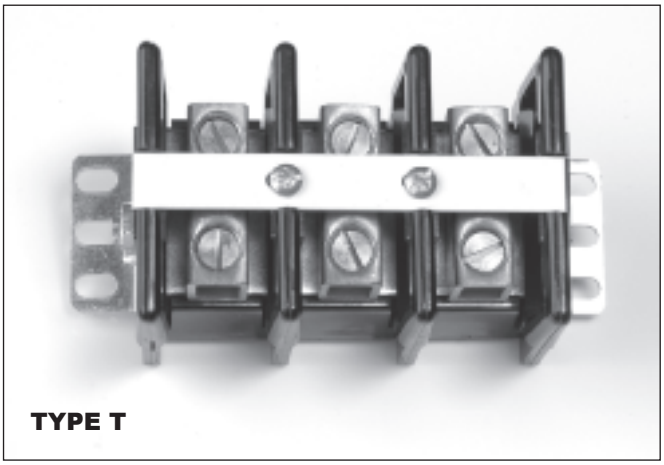
Dimensions shown are ± 0.030"

Series H & BT Accessories

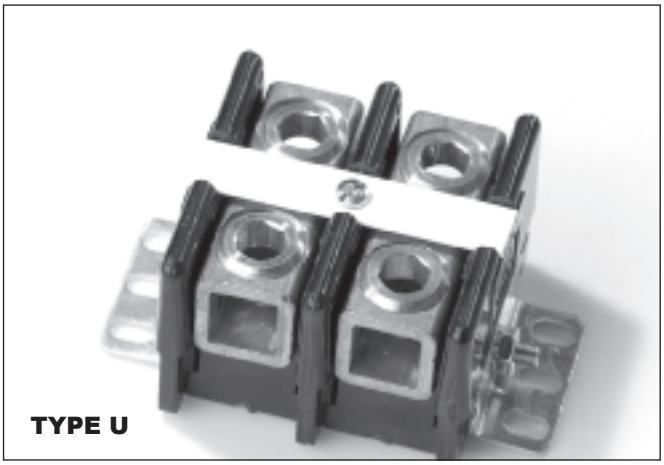
COVERS

Series H & BT – Two cover styles. Hinged cover of 3/16" thick black bakelite pivoting from special end brackets provide ready access to block. Factory-assembled and available only with original terminal block order. Plain cover of 1/16" thick black bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.
To order, specify:
H/BT (Plain) – Part No. 260A49 – 1 thru 30 terminals
H (Hinged) – Part No. 260A56 – 1 thru 30 terminals
BT (Hinged) – Part No. 250A122 – 1 thru 30 terminals

Types T & U 1.16" (28.46mm) Center-to-Center Spacing

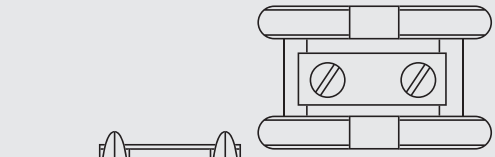


TYPE T

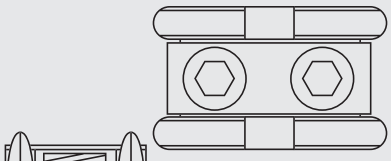


TYPE U

Types T & U Terminal Variations



T
tubular connector and slotted screw



U
tubular connector and socket screw

Features:

- **Heavy Load Termination Flexibility** – Designed for machine, switchboard and other heavy load terminations.
- **Tubular, High Pressure Solderless Connections** – Accommodates wire without lugging – tapped sidewalls for greater mechanical strength – electrolytically pure copper solderless connections provide 100% conductivity.
- **Readily Adaptable to Special Applications** – Can be used for branch circuit termination with simple modification of standard terminal plate.
- **Combined Style Design Capability** – All types can be combined with each other as well as with Types H and BT.
- **Heavy Load Ratings and Wire Sizes** – Type T is rated at 125A/600V, has headless slotted screw, UL recognized for No. 6AWG to No. 1/0AWG wire. Type U is rated 250A/600V and features headless socket screw, UL recognized for No. 6AWG to 250MCM wire.
- **Recognition and Listing** – UL recognized and CSA certified

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.

Terminal Designations

T Tubular copper with tapped sidewalls and headless slotted screw. Accepts wire from No. 6 AWG to No. 1/0AWG.

U Tubular copper with tapped sidewalls and headless socket screw. Accepts wire from No. 6AWG to 250MCM.

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Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Wire Range:
T – UL Recognized for No. 6AWG to No. 1/0AWG
U – UL Recognized for No. 6AWG to 250MCM

No. of Terminals: T – 1 thru 6
U – 1 thru 4

Voltage Rating: 600V CSA and UL

Tightening Torque:
T – 50 in.-lb.
U – 275 in.-lb.

Current Rating: T: 125 amps, U: 250 amps

Housing:

Material	Phenolic
Continuous Use Temp. (UL Index)	150°C (302°F)
Flammability Rating	94V-1
Water Absorption (24 hrs. % wt. gain)	0.5%
Chemical Resistance	Resistant to most organic solvents

Breakdown Voltage:	**T**	**U**
Terminal - Terminal	11,000V Typ.	9,000V Typ.
Terminal - Ground	9,700V Typ.	9,600V Typ.

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

How to Order

Types T and U terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of terminals required for the application.

Example: a 4-pole terminal block becomes T-4 or U-4

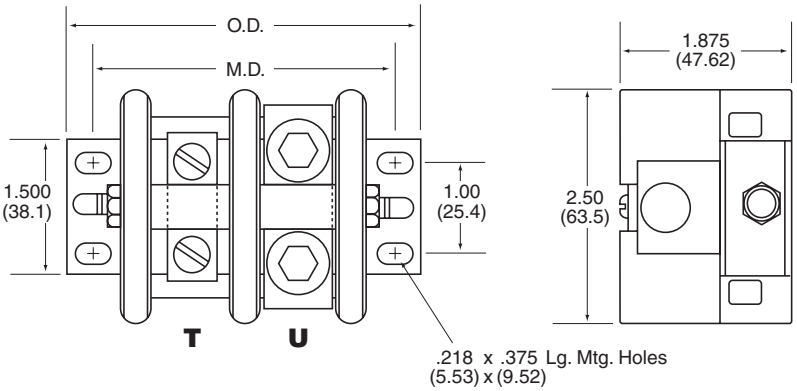
When ordering combinations of both types, the composite number is made up of both model designations followed by total number of poles and number of each type. A composite of two T terminals followed by two U terminals thus is converted to stock number TU-4 (2T, 2U).

Combining these types with types L, O, S, H and BT would follow the same ordering format. (*Note:* When combined with types H or BT, a special adapter is required.)

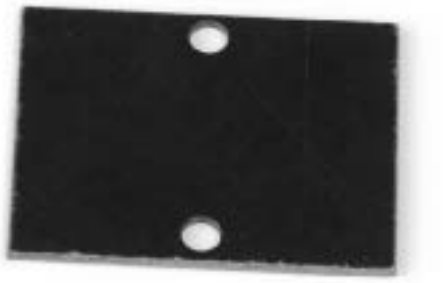
Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	2.183	55.46	2.683	68.16
2	3.342	84.88	3.842	97.58
3	4.500	114.31	5.000	127.01
4	5.659	143.73	6.159	156.43
5	6.817	173.16	7.317	185.86
6	7.976	202.59	8.476	215.29

Dimensions shown are ± 0.030"

Types T & U Terminal Dimensions



NOTE: Lugs are not funished with blocks
mm dim. are shown in parentheses



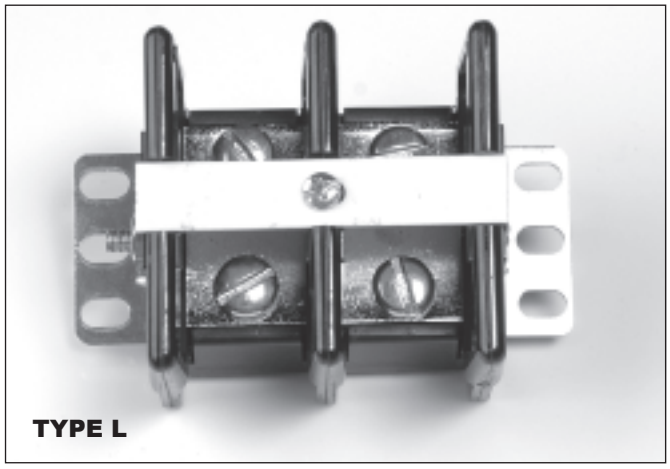
Types T & U Accessories

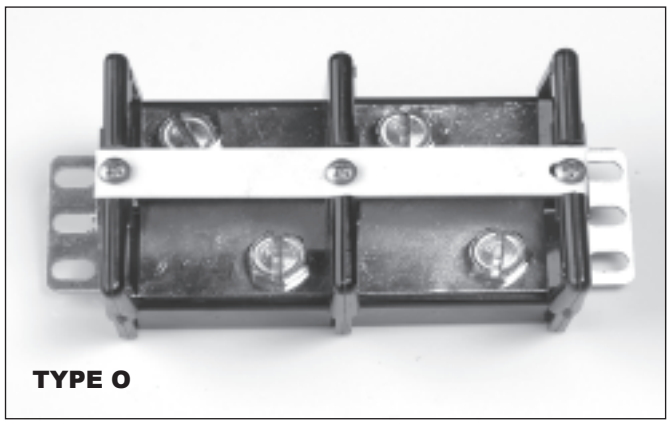
COVERS

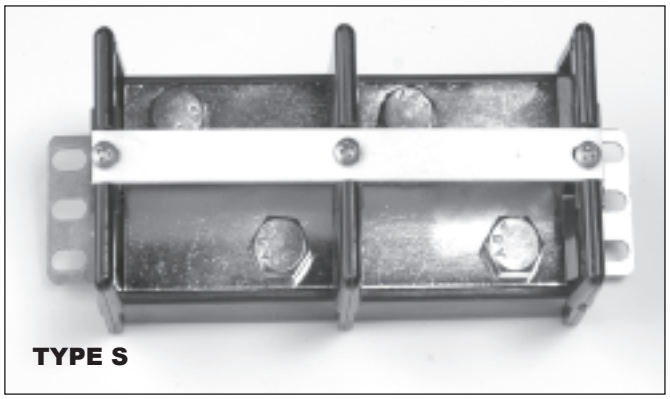
Types T and U – Plain cover of 1/16" thick bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:
T – Part No. 268A157 – 1 thru 6 terminals
U – Part No. 268A157 – 1 thru 4 terminals

Types L, O & S L – 1.16" (29.46mm), O – 1.86" (47.24mm),


TYPE L


TYPE O


TYPE S

Features:

- **Heavy Load Termination Flexibility** – Designed for machine, switchboard and other heavy load terminations.
- **Readily Adaptable to Special Applications** – Can be used for branch circuit termination with simple modification of standard terminal plate.
- **Combined Style Design Capability** – All types can be combined with each other as well as with Types H and BT.
- **Ratings and Wire Sizes to Match High Current Needs** – Type L is rated at 100A/600V, UL recognized for wire up to No. 1AWG. Type O is rated 125A/600, UL recognized for wire up to No. 1/0AWG. Type S is rated 225A/600V, UL recognized for wire up to No. 4/0AWG. (*Note:* UL requires the use of UL recognized lugs.)
- **Recognition and Listing** – UL recognized and CSA certified

TERMINAL DESIGNATIONS

L Nickel-plated brass terminal bar with 1/4" – 20 plated round-head steel screws. Accepts wire up to No. 1AWG.

O Nickel-plated brass terminal bar with 5/16" – 18 plated slotted hex-head steel screws. Accepts wire up to No. 1/0AWG.

S Nickel-plated brass terminal bar with 3/8" plated hex-head steel screws. Accepts wire up to No. 4/0AWG.

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.

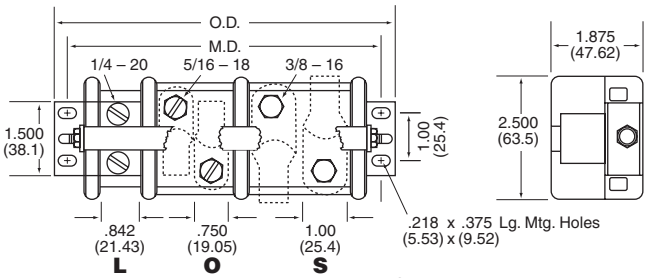
Terminal Variations

L
terminal bar and 1/4" round-head screw, max. lug width – 27/32"

O
terminal bar and 5/16" slotted hex-headscrew, max. lug width – 3/4"

S
terminal bar and 3/8" slotted hex-headscrew, max. lug width – 1"

Types L, O & S Terminal Dimensions



NOTE: Lugs are not funished with blocks mm dim. are shown in parentheses

Curtis Industries
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Specifications subject to change.
Dimensions are shown for reference purposes only.

Specifications:

Wire Range:
L – UL Recognized for No. 1AWG
O – UL Recognized for No. 1/0AWG
S – UL Recognized for No. 4/0AWG

No. of Terminals: L – 1 thru 12
O – 1 thru 4
S – 1 thru 4

Voltage Rating: 600V CSA and UL

Tightening Torque: L – 50 in.-lb.
O – 50 in.-lb.
S – 200 in.-lb.

Current Rating: L – 100A, O – 125A, S – 225A

Housing:

Material	Phenolic
Continuous Use Temp. (UL Index)	150°C (302°F)
Flammability Rating	94V-1
Water Absorption (24 hrs. % wt. gain)	0.5%
Chemical Resistance	Resistant to most organic solvents

Breakdown Voltage:	**L**	**O**	**S**
Terminal - Terminal	*11,000V Typ.*	*10,900V Typ.*	*10,400V Typ.*
Terminal - Ground	*9,700V Typ.*	*10,300V Typ.*	*10,500V Typ.*

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

How to Order

Types L, O and S terminal blocks are ordered by listing a model number made up of the series designation followed by the number of terminals required for the application.

Example: a 4-pole terminal block becomes L-4, 0-4 or S-4

When ordering combinations of both types, the model number is made up of both series designations followed by total number of poles and number of each type. A model number of two L terminals followed by two O terminals thus is converted to stock number LO-4 (2L, 2O).

Combining these types with types T, U, S, H and BT would follow the same ordering format. (*Note:* When combined with types H or BT, a special adapter is required.)

Type L

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	2.183	55.46	2.683	68.16
2	3.342	84.88	3.842	97.58
3	4.500	114.31	5.000	127.0
4	5.659	143.73	6.159	156.43
5	6.817	173.16	7.317	185.86
6	7.976	202.59	8.476	215.29
7	9.134	232.01	9.634	244.71
8	10.293	261.44	10.793	274.14
9	11.451	290.86	11.951	303.56
10	12.610	320.29	13.110	332.99
11	13.768	349.71	14.268	362.41
12	14.927	379.14	15.427	391.84

Type O

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	2.880	73.16	3.380	85.86
2	4.736	120.29	5.236	132.99
3	6.591	167.42	7.091	180.12
4	8.447	214.55	8.947	227.25

Type S

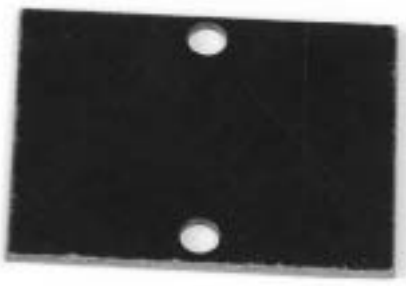
Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	3.440	87.38	3.940	100.08
2	5.856	148.74	6.356	161.44
3	8.271	210.09	8.771	222.79
4	10.687	271.44	11.187	284.14

Dimensions shown are ± 0.030"

Series L, O & S Accessories

COVERS

Types T and U – Plain cover of 1/16" thick bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.
To order, specify:
L – Part No. 268A158 – 1 thru 12 terminals
O – Part No. 268A159 – 1 thru 4 terminals
S – Part No. 268A160 – 1 thru 4 terminals



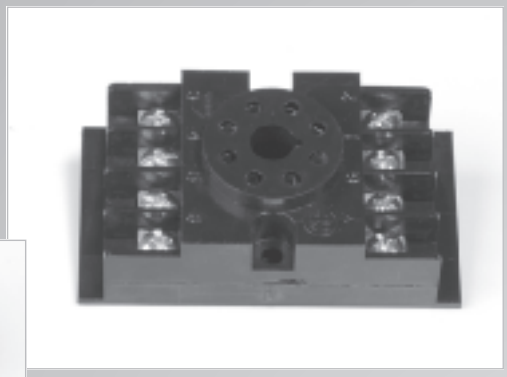
Specifications subject to change.
Dimensions are shown for
reference purposes only.

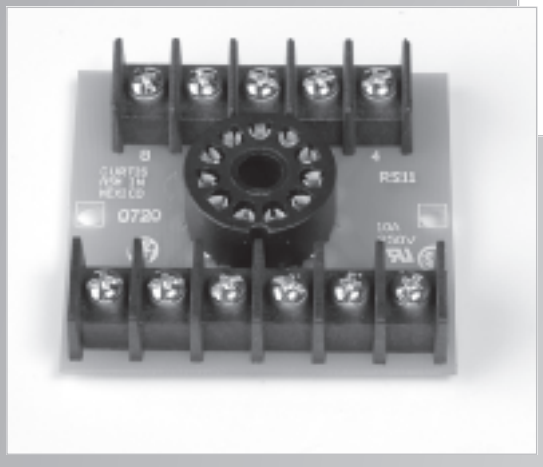
RELAY SOCKETS

Snap-In Socket Assemblies

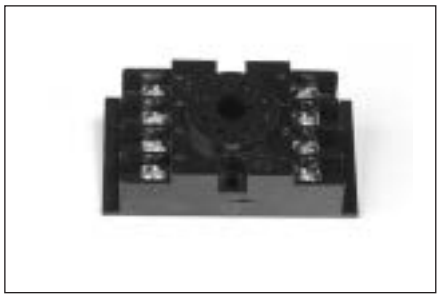
CUS Series

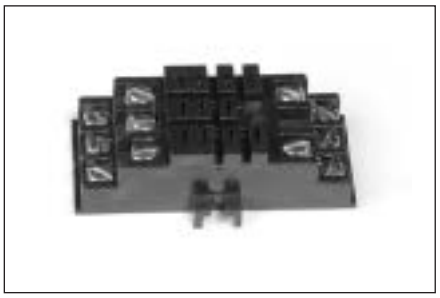
RS Series

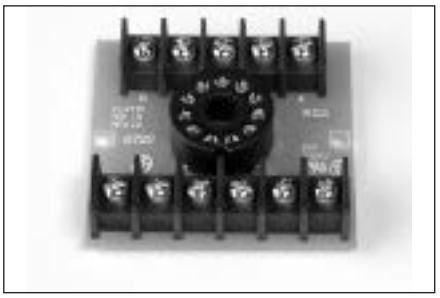




*Snap-In Socket Assemblies



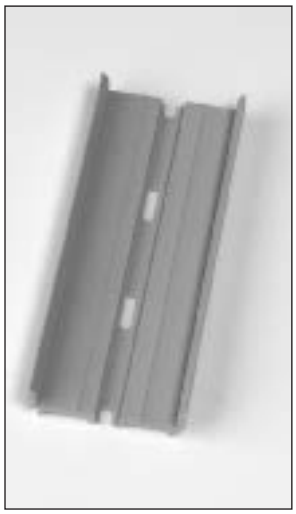


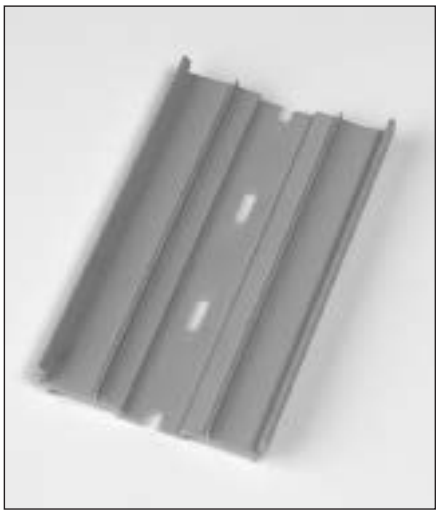


Features:

- Permanent-numbered terminals for easy identification
- New unitized, thermoplastic sockets with closed-back design which eliminates panel insulation, and resists breakage
- Nickel-plated screw-type terminals on break-resistant barrier-type terminal block for fast, easy connection. Screw-type terminals on other models with captivated wire clamps to eliminate lugging.
- Compact, printed circuit design
- Glass epoxy G-10 printed circuit boards
- Relay sockets can be spaced out in track for convenient insertion of marking strips, for relay identification
- High-quality sockets for maximum relay retention and electrical conductivity

Track





- Assemblies snap in and out without disturbing adjacent units (except for dovetail design on CUS5, 12, 14, 15, and 16)
- Lengths up to 48" – holds up to 30 socket assembles
- Pre-punched track minimizes mounting time. (On lengths of 48", drilling and tapping is only required for two or three mounting screws instead of two holes per socket.)
- Wide center channel provides space for under-board components. Allows greater surface area for easy mounting with adhesive tape.
- Grey PVC thermoplastic, UL flame class 94V-0, suitable for ambient termperatures up to 50° C.
- Vertical rib track provides support to prevent PC board breakage—supplies spring retention and electrical base insulation.
- Optional snap-on end retaining clips available for long vertical mounts or extreme vibration if end socket assembly is not mounted with screws.
- Available in three popular widths for maximum circuit design flexibility.

  TR1 for 2-3/16" board or socket
  TR2 for 2-3/4" PC board or socket.
  TR3 for 3-1/4" PC board or socket

HOW TO ORDER

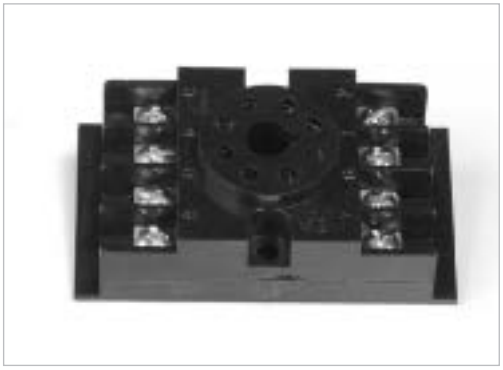
Relay socket assemblies can be ordered in parts form (assemblies and track separate) or factory assembled in specific length units. When ordering factory assembled units, specify type — number of sockets in continuous one-piece precut track; for example, order RS8-17 for a track containing 17 RS8 relay socket assemblies.

* Many Curtis Socket Assemblies are recognized under the Components Program of Underwriters Laboratories, Inc. under file No. E59934. These units are maked with a on the following pages. Socket Assemblies listed by Canadian Standards Association are marked with a and are covered by Report No. LR19623.

Specifications subject to change.
Dimensions are shown for reference purposes only.

CUS8

8-Pin Unitized Octal-Type Socket Assemblies



Specifications:

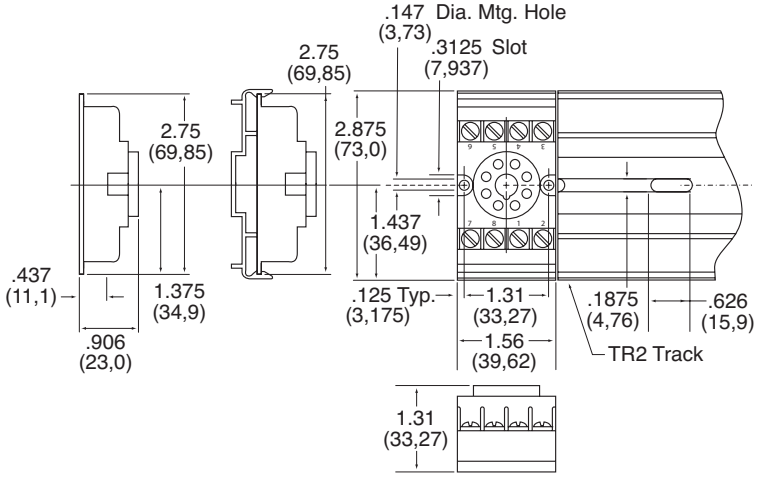
Rating: 10 amps, 300 volts

Track: TR2
48" length holds up to 30 CUS8 sockets

Terminals: 6 thru 32 with captivated traveling nut

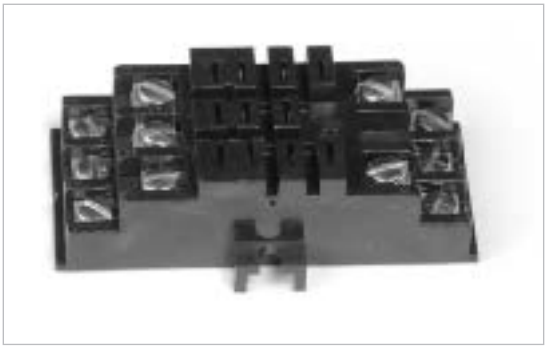
Wire: Up to No. 12AWG wire

Sockets: CUS8 – 8-pin receptacle for 2PDT octal relay or timer



CUS5, CUS12 and CUS16

5, 8 and 11-Pin Unitized Square-Base Relay-Type Socket Assemblies



Specifications:

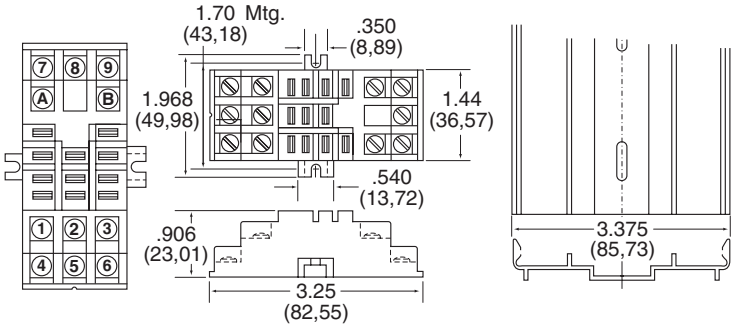
Rating: 15 amps, 250 volts (CSA rated 15 amps, 125 volts)

Track: TR3
48" length holds up to 28 sockets

Terminals: 6 thru 32 with captivated traveling nut

Wire: Up to No. 14AWG wire

Sockets: CUS12 – 11-pin receptable for 3PDT square-base barrier-type plug-in relays
CUS16 – 8-pin receptacle for 2PDT square-base, barrier type plug-in relays
CUS5 – 5-pin receptacle for SPDT square-base, barrier type plug-in relays



Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.

RS8

8-Pin Octal-Type Socket Assemblies

Specifications:

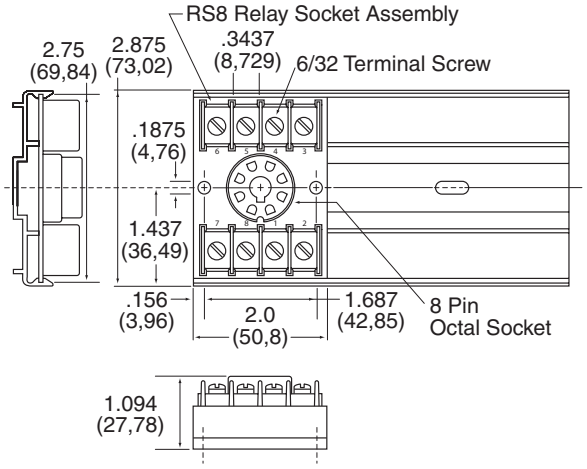
Rating: 10 amps, 250 volts

Track: TR2
48" length holds up to 24 sockets

No. of Terminals: RS8 – No. 6-32 screws, 7/16" center-to-center spacing

Wire: RS8 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

Sockets: 8-pin octal receptacle to accept standard 2PDT chamber allows relays to be rocked out without danger of damaging relay center posts. PC board has center post clearance hole to allow relays with screws in center post. Phosphor bronze contacts for better pin contact and retention.



RS11

11-Pin Octal-Type Socket Assemblies

Specifications:

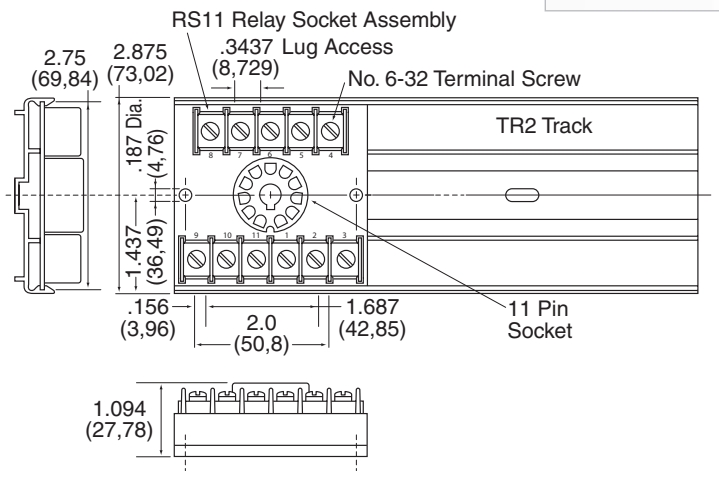
Rating: 10 amps, 250 volts

Track: TR2
48" length holds up to 16 sockets

No. of Terminals: RS11 – No. 6-32 screws, 7/16" center-to-center spacing

Wire: RS11 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

Sockets: 11-pin octal receptacle to accept 3PDT chamber allows relays. Refer to RS8 socket for features.



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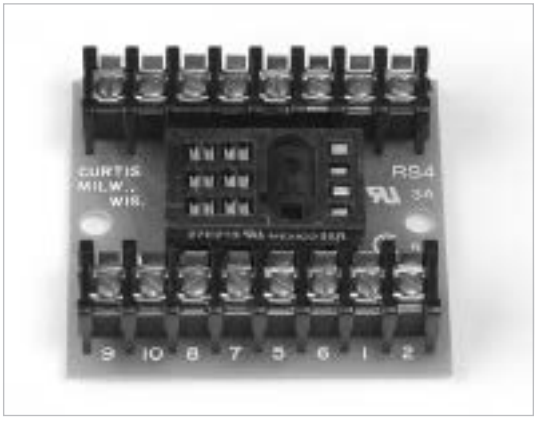
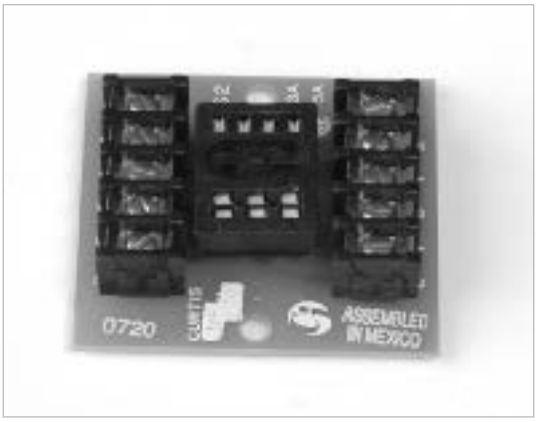
Specifications subject to change.
Dimensions are shown for reference purposes only.

RS2, RS4 and RS6

10, 16, and 22-Pin Square-Base Miniature Relay-Type Socket Assemblies





Specifications:

Rating: 5 amps, 125 volts (UL rated 3 amps, 125 volts)

Track: TR1
48" length holds up to 24 RS2 sockets, 21 RS4 sockets and 16 RS6 sockets

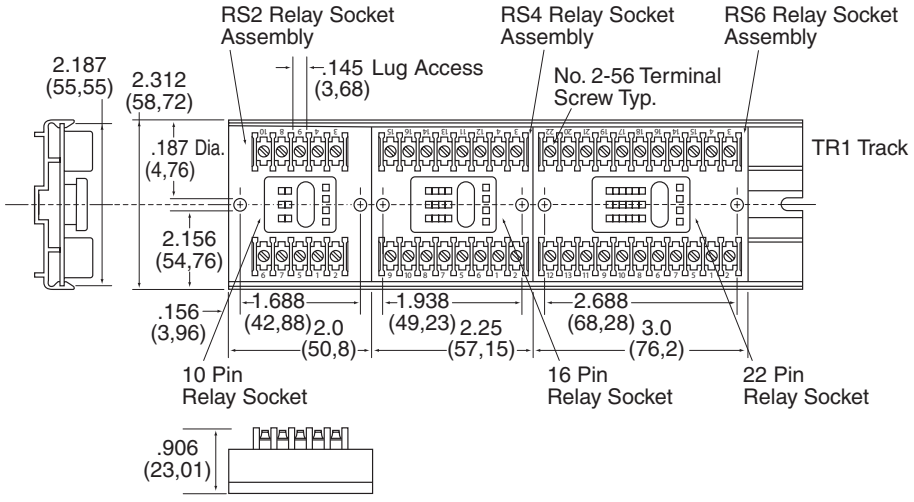
No. of Terminals: No. 2-56 screws with clamp – 1/4" center-to-center spacing

Wire: Up to No. 16AWG

Sockets: RS2 – 10-pin receptacle to accept miniature 2PDT relays with latching coils

RS4 – 16-pin receptacle to accept miniature 4PDT relays with latching coils

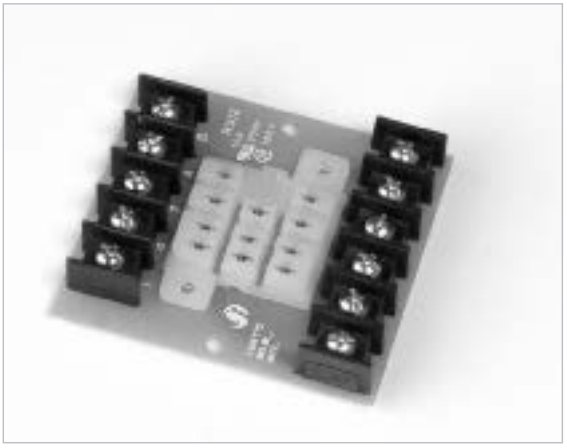
RS6 – 22-pin receptacle to accept miniature 6PDT relays with altching coils



Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

RS12 and RS16

12 and 16-Pin Square-Base Relay-Type Socket Assemblies



Specifications:

Rating: 10 amps, 250 volts

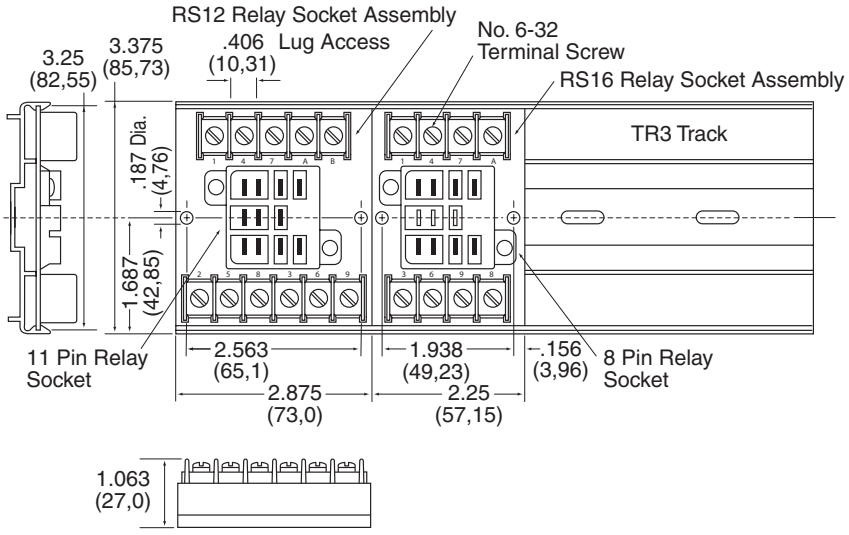
Track: TR3
48" length holds up to 16 RS12 sockets
48" length holds up to 22 RS16 sockets

No. of Terminals: RS12 and RS16 – No. 6-32 screws, 7/16" center-to-center spacing

Wire: RS12 and RS16 – up to No. 12 AWG (lugs are recommended on wire larger than No. 16AWG)

Sockets: RS12 – 11 pin receptacle to accept 3PDT relays
RS16 – 8-pin receptacle to accept 2PDT relays

Note: *RS12 – CSA rating is 10 amps, 125 volts*



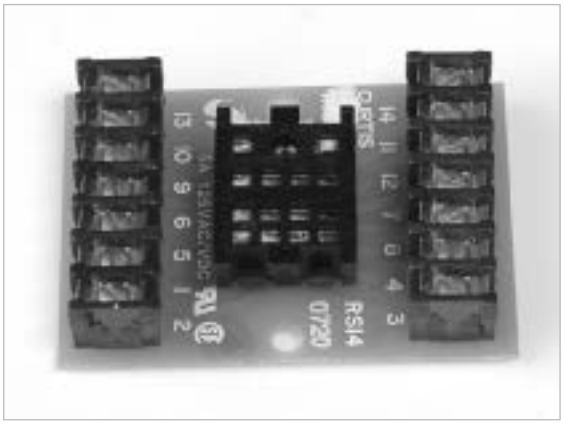
RELAY SOCKETS

Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for reference purposes only.

RS14

14-Pin Square-Base Minature Relay-Type Socket Assemblies



Specifications:

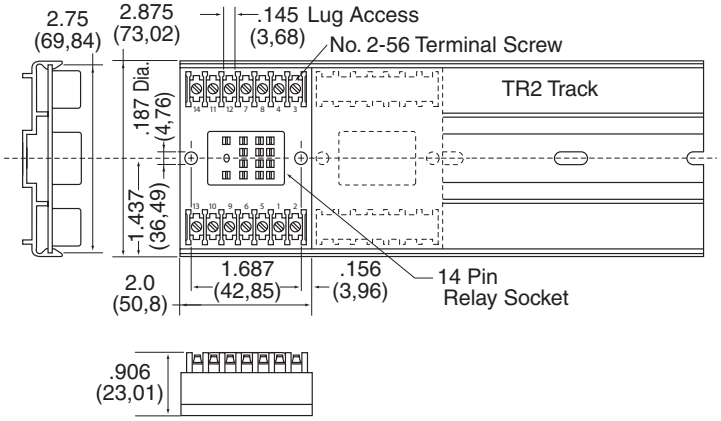
Rating: 5 amps, 125 volts

Track: TR2
48" length holds up to 16 sockets

No. of Terminals: No. 2-56 screws with clamps (1/4" center-to-center spacing)

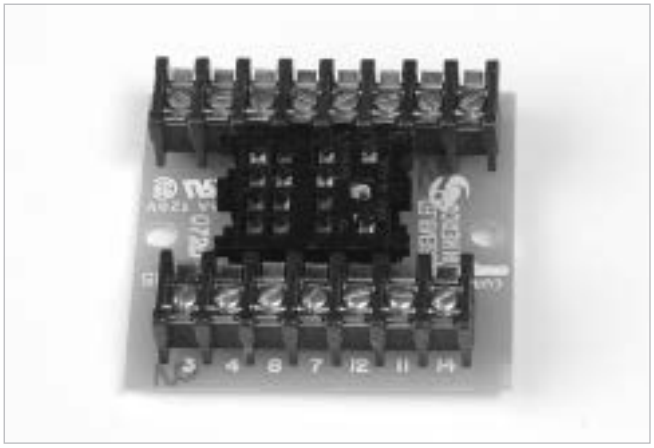
Wire: up to No. 16AWG

Sockets: 14-pin receptacle to accept miniature 4PDT relays



RS15

15-Pin Square-Base Grounded Miniature Relay-Type Socket Assemblies



Specifications:

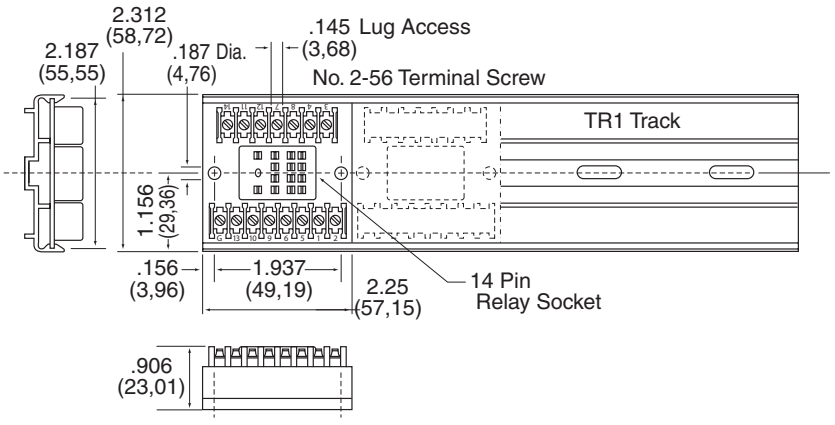
Rating: 5 amps, 125 volts

Track: TR1
48" length holds up to 21 sockets

No. of Terminals: No. 2-56 screws with clamp (1/4" center-to-center spacing)

Wire: Up to No. 16AWG

Sockets: 15-pin receptacle to accept grounded miniature 4PDT relays



Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

ACCESSORIES

18836 – (RS2 socket only)
18837 – (RS4 socket only)
18838 – (RS6 socket only)
18830 – (RS14 & 15 socket only)
18831 – (RS12 socket only)
18835 – Round 11-pin socket (RS11)
18821 – Round octal socket (RS8)
18832 – Square 8-pin socket (RS16)
44613 – Tie down bail (CUS5, 12, 16)
44617 – Relay hold down clip (CUS5, 12, 16)
62610 – TR track end clips

Specifications subject to change.
Dimensions are shown for
reference purposes only.

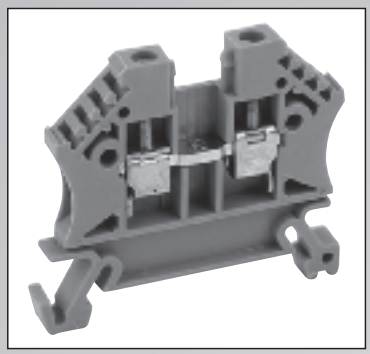
DIN RAIL TERMINAL BLOCKS

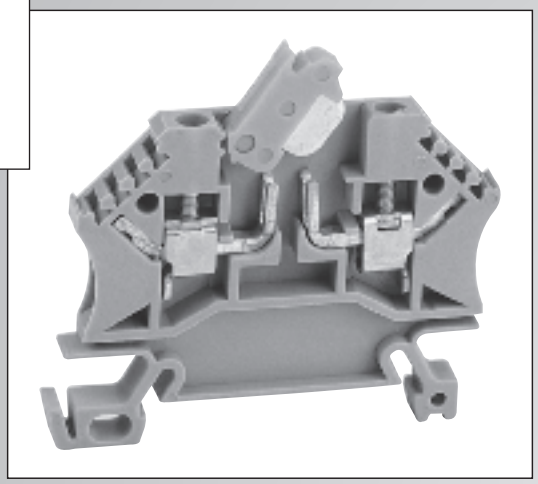
Screw Connection

Screwless Connection

Fuse Blocks

Ground Blocks

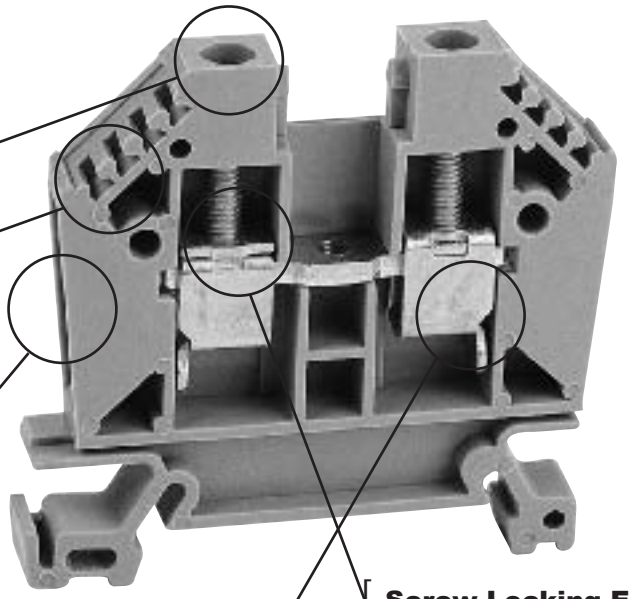




DIN Rail Terminal Blocks

Features:

- Mounts on industry standard DIN 35 mm rail
- Vibration resistant clamp design
- Large contact surface results in higher wire retention force
- Functional reliability after repeated tightening and loosening



Enclosed Guide Slot for Screwdriver

- Safety during installation
- Prevents the screwdriver blade from slipping particularly in the case of automatic screw drivers

Labeling

- Not concealed by the conductor
- Simplifies identification/ assignment during maintenance
- Snap-in preprinted marker

Conductor Entry Funnel

- Ease of operation and speed by guiding the conductor during terminal connection
- Tongue design prevents wire insertion under clamp

Screw Locking Element

- Captive screw design
- Steel screws instead of soft brass
- Screws are hardened steel zinc-galvanized and chrome-plated

Elastic Clamping Parts Folded at the Bottom

- Vibration proof connection
- Lock washer action keeps screws from coming loose
- Clamps provided in open position
- Serrations on current bar provide reliable contact
- Clamps are zinc-galvanized and chrome-plated steel

APPROVALS

All our products have the following marks in accordance with their own features.

All products show in this leadlet which are subject to the Electrical Sector Directives have the CE Mark.

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Specifications subject to change.
Dimensions are shown for reference purposes only.

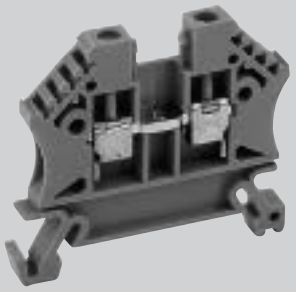
Multiple Wire Connections per UL

DIN Rail Terminal Blocks		Wire Size AWG (mm) Number of the same size wire per terminal block																Catalog Page Number
Part Number	UL Rating	#24 –	#22 –	#20 (0.5)	#18 (0.75)	#16 (1.5)	#14 (2.5)	#12 (4)	#10 (6)	#8 (10)	#6 (16)	#4 (25)	#2 (35)	#1 (40)	1/0 (50)	2/0 (70)	3/0 (80)	
6102000	24-12	4	4	3	2	2	1	1	–	–	–	–	–	–	–	–	–	64
6102050	22-12	–	3	3	2	2	1	1	–	–	–	–	–	–	–	–	–	75
6102100	24-12	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	–	71
6102300	24-12	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	–	71
6102310	24-12	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	–	71
6104000	24-10	4	4	4	3	2	2	1	1	–	–	–	–	–	–	–	–	64
6104100	24-10	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	71
6104110	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	74
6104300	24-10	4	4	4	3	2	2	1	1	–	–	–	–	–	–	–	–	76
6104310	22-8	–	–	4	4	3	2	2	1	1	–	–	–	–	–	–	–	76
6104320	20-8	–	–	4	4	3	2	2	1	1	–	–	–	–	–	–	–	76
6104330	14-4	–	–	–	–	–	4	3	2	2	1	1	–	–	–	–	–	77
6104340	14-2	–	–	–	–	–	3	2	2	2	1	1	1	1	1	–	–	77
6104500	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	74
6104600	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	74
6106000	22-8	–	4	4	4	3	2	2	1	1	–	–	–	–	–	–	–	64
6106100	22-8	–	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	71
6110000	20-6	–	–	4	4	3	3	2	2	1	1	–	–	–	–	–	–	65
6110010	20-6	–	–	4	4	3	3	2	2	1	1	–	–	–	–	–	–	75
6110110	20-6	–	–	4	4	3	3	2	2	1	1	–	–	–	–	–	–	75
6116000	14-4	–	–	–	–	–	4	3	2	2	1	1	–	–	–	–	–	65
6135000	14-1/0	–	–	–	–	–	3	2	2	2	1	1	1	1	1	–	–	65
6170000	4-3/0	–	–	–	–	–	–	–	–	–	–	1	1	1	1	1	1	65
6202100	24-12	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	72
6204000	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	66
6204010	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	67
6204100	24-10	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	67
6204110	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	68
6204130	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	68
6204200	24-10	4	4	3	3	2	2	1	1	–	–	–	–	–	–	–	–	67
6204210	24-10	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	67
6302000	26-14	4	3	2	2	1	1	–	–	–	–	–	–	–	–	–	–	69
6302100	26-14	4	3	2	2	1	1	–	–	–	–	–	–	–	–	–	–	69
6302110	26-14	4	3	2	2	1	1	–	–	–	–	–	–	–	–	–	–	69
6302120	26-14	4	3	2	2	1	1	–	–	–	–	–	–	–	–	–	–	69
6402000	24-12	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	–	73
6404000	24-10	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	73
6206000	22-8	–	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	73
6504000	24-10	4	3	3	2	2	1	1	1	–	–	–	–	–	–	–	–	66
6504010	18-10	–	–	–	3	2	2	1	1	–	–	–	–	–	–	–	–	77

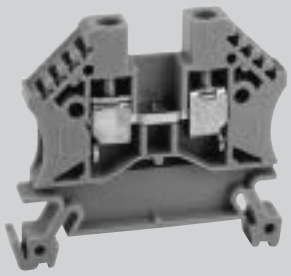
Screw Connection **Single Level**

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electro-plated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow-chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

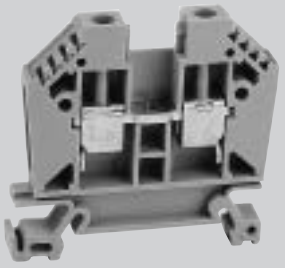
6102000 *2.5/5 Feed Through*



6104000 *4/6 Feed Through*



6106000 *6/8 Feed Through*



	6102000			6104000			6106000		
Dimensions	44 mm (L) x 36 mm (H) x 5 mm (W)			44 mm (L) x 36 mm (H) x 6 mm (W)			50 mm (L) x 44 mm (H) x 7 mm (W)		
Opening	3.6 x 2.6 mm			4 x 3.3 mm			5 x 4 mm		
Stripping Length	10 mm			10 mm			12 mm		
Screw Thread	M 2.6			M 3			M 3.5		
Central Thread	M 2.5			M 3			M 3		
Connecting Capacity	Solid conductors mm^2 0.5-4 Stranded conductors mm^2 0.5-2.5			Solid conductors mm^2 0.5-4 Stranded conductors mm^2 0.5-4			Solid conductors mm^2 0.5-10 Stranded conductors mm^2 0.5-6		
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-2.5			DIN 46288 / 1 mm^2 0.5-4			DIN 46288 / 1 mm^2 0.5-6		
Number of Connectable Conductors	2 x 1.5 mm^2 4 x 1.0 mm^2			4 x 1.5 mm^2			2 x 4 mm^2		
Approvals									
Wire Range	24-12 AWG	24-12 AWG	2.5 mm^2	24-10 AWG	24-10 AWG	4 mm^2	22-8 AWG	22-8 AWG	10 mm^2
Voltage Rating	600V	600V	800V	600V	600V	800V	600V	600V	800V
Current Rating	20A	20A	20A	30A	30A	32A	50A	50A	41A
TIghtening Torque	Max. 0.5 Nm			Max. 0.6 Nm			Max. 1.2 Nm		
Gauges	A3			A4			A5		
ACCESSORIES	**Cat. No.**			**Cat. No.**			**Cat. No.**		
Available Colors	**6102000** – Gray **6102001** – Blue **6102002** – Black **6102003** – Brown **6102004** – Yellow-Green **6102005** – Green **6102006** – Yellow **6102007** – Orange **6102008** – Red **6102009** – White			**6104000** – Gray **6104001** – Blue **6104002** – Black **6104003** – Brown **6104004** – Yellow-Green **6104005** – Green **6104006** – Yellow **6104007** – Orange **6104008** – Red **6104009** – White			**6106000** – Gray **6106001** – Blue **6106004** – Yellow-Green **6106005** – Green **6106006** – Yellow **6106007** – Orange **6106008** – Red		
End Plate Qty. pk. 10	**6800010** – 44 mm (L) x 35 mm (H) x 1.5 mm (W)			**6800010** – 44 mm (L) x 35 mm (H) x 1.5 mm (W)			**6800011** – 50 mm (L) x 43 mm (H) x 1.5 mm (W)		
Separator Qty. pk. 100	**6800051** – 55 mm (L) x 44 mm (H) x 1.5 mm (W)			**6800051** – 55 mm (L) x 44 mm (H) x 1.5 mm (W)			**6800050** – 55 mm (L) x 49 mm (H) x 1.5 mm (W)		
Cover Qty. pk. 100	**6800075** – 47 mm (L) x 24.5 mm (H) x 4.8 mm (W)			**6800076** – 47 mm (L) x 24.5 mm (H) x 5.8 mm (W)			**6800077** – 53 mm (L) x 26 mm (H) x 6.8 mm (W)		
Jumper-Bar Package	**6800110** – .5M Jumper Bar			**6800120** – .5M Jumper Bar			**6800130** – .5M Jumper Bar		
Jumpers 2 pole **3 pole** **4 pole**	**6800102** – 100 pieces **6800103** – 100 pieces **6800104** – 100 pieces			**6800112** – 100 pieces **6800113** – 100 pieces **6800114** – 100 pieces			**6800122** – 100 pieces **6800123** – 100 pieces **6800124** – 100 pieces		
End Bracket Qty. pk. 100	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)		
Test Plug Adapter (red)				**6800501** – dia. 2.8 mm			**6800501** – dia. 2.8 mm		
Test Plug Adapter (black)				**6800500** – dia. 2.8 mm			**6800500** – dia. 2.8 mm		

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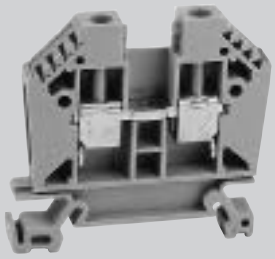
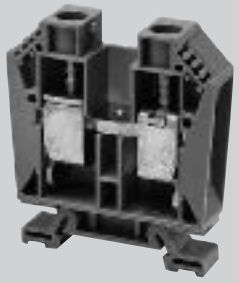
Specifications subject to change.
Dimensions are shown for reference purposes only.

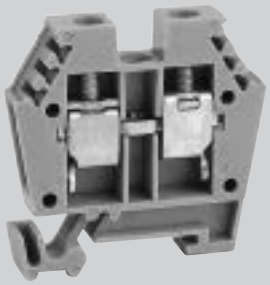
6110000 **10/9** *Feed Through*	**6116000** **16-25/12** *Feed Through*	**6135000** **35-50/16** *Feed Through*	**6170000** **70/26** *Feed Through*
			
50 mm (L) x 44 mm (H) x 9 mm (W)	56 mm (L) x 49 mm (H) x 12 mm (W)	62 mm (L) x 61 mm (H) x 16 mm (W)	74 mm (L) x 75 mm (H) x 26 mm (W)
6 x 5.5 mm	7 x 7.4 mm	11 x 10 mm	15.5 x 16.5 mm
12 mm	14 mm	17 mm	26 mm
M 4	M 5	M 6	M 3
M 3	M 4	M 4	
Solid conductors mm^2 1.5-16 Stranded conductors mm^2 1.5-10	Solid conductors mm^2 1.5-25 Stranded conductors mm^2 1.5-10	Solid conductors mm^2 2.5-50 Stranded conductors mm^2 2.5-50	Solid conductors mm^2 16-70 Stranded conductors mm^2 16-70
DIN 46288 / 1 mm^2 1.5-10	DIN 46288 / 1 mm^2 1.5-25	DIN 46288 / 1 mm^2 2.5-50	DIN 46288 / 1 mm^2 16-70
2 x 6 mm^2	2 x 10 mm^2	2 x 25 mm^2	2 x 50 mm^2
20-6 AWG / 20-6 AWG / 10 mm^2	14-4 AWG / 14-4 AWG / 25 mm^2	14-1/0 AWG / 14-1/0 AWG / 50 mm^2	4-3/0 AWG / 14-3/0 AWG / 70 mm^2
600V / 600V / 800V	600V / 600V / 800V	600V / 600V / 800V	600V / 600V / 800V
65A / 65A / 57A	85A / 85A / 101A	130A / 130A / 150A	185A / 185A / 192A
Max 2.0 Nm	Max 3.0 Nm	Max 5.0 Nm	Max 10.0 Nm
B6	B7	B9	B11
Cat. No.	**Cat. No.**	**Cat. No.**	**Cat. No.**
6110000 – Gray **6110001** – Blue **6110004** – Yellow-Green **6110005** – Green **6110006** – Yellow **6110007** – Orange	**6116000** – Gray **6116001** – Blue **6116004** – Yellow-Green **6116006** – Yellow	**6135000** – Gray **6135001** – Blue **6135004** – Yellow-Green **6135006** – Yellow **6135008** – Red	**6170000** – Gray **6170001** – Blue **6170004** – Yellow-Green **6170006** – Yellow
6800011 – 50 mm (L) x 43 mm (H) x 1.5 mm (W)	**6800012** – 44 mm (L) x 35 mm (H) x 1.5 mm (W)	**6800013** – 62 mm (L) x 60 mm (H) x 1.5 mm (W)	
6800050 – 55 mm (L) x 49 mm (H) x 1.5 mm (W)			
6800077 – 53 mm (L) x 26 mm (H) x 6.8 mm (W)	**6800078** – 59 mm (L) x 26 mm (H) x 11..5 mm (W)	**6800079** – 59 mm (L) x 26 mm (H) x 15.5 mm (W)	
6800140 – .5M Jumper Bar	**6800150** – .5M Jumper Bar	**6800160** – .5M Jumper Bar	
6800132 – 100 pieces **6800133** – 100 pieces **6800134** – 100 pieces	**6800142** – 100 pieces **6800143** – 100 pieces **6800144** – 100 pieces	**6800152** – 100 pieces **6800153** – 100 pieces **6800154** – 100 pieces	
6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)
6800501 – dia. 2.8 mm			
6800500 – dia. 2.8 mm			

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Screw Connection **Single Level**

- **Plastic Body:** Polyamide 6.6
- **Internal Bus:** Nickel-plated brass
- **Clamp:** Hardened steel, electro-plated with zinc yellow-chromated
- **Screws:** Steel, zinc-plated and yellow-chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

6504000 **4/15 Mini** *Feed Through*



Dimensions	32 mm (L) x 28 mm (H) x 6 mm (W)
Opening	4 x 3.3 mm
Stripping Length	10 mm
Screw Thread	M 3
Central Thread	
Connecting Capacity	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-4
Number of Connectable Conductors	4 x 1.5 mm^2
Approvals	

Wire Range	24-10 AWG	24-10 AWG	4 mm^2
Voltage Rating	300V	300V	400V
Current Rating	30A	30A	32A

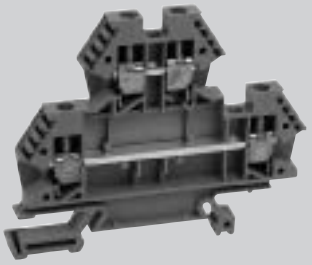
TIghtening Torque	Max. 0.6 Nm
Gauges	A4

ACCESSORIES	**Cat. No.**
Available Colors	**6504000** – Gray **6504001** – Blue **6504002** – Black **6504004** – Yellow-Green **6504005** – Green **6504006** – Yellow **6504007** – Orange **6504008** – Red
End Plate Qty. pk. 10	**6800017** – 44 mm (L) x 35 mm (H) x 1.5 mm (W)
Separator Qty. pk. 100	
Cover Qty. pk. 100	**6800081** – 47 mm (L) x 24.5 mm (H) x 4.8 mm (W)
Jumper-Bar Package	**6800190** – .5M Jumper Bar
Jumpers 2 pole **3 pole** **4 pole**	**6800182** – 100 pieces **6800183** – 100 pieces **6800184** – 100 pieces
End Bracket Qty. pk. 100	**6804500** – 25 mm (L) x 16 mm (H) x 7 mm (W)

Screw Connection **Dual Level**

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver plated copper
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

6204000 **D 4-2/6** *Feed Through*



Dimensions	72 mm (L) x 55 mm (H) x 6 mm (W)
Opening	4 x 3.3 mm
Stripping Length	10 mm
Terminal Screw	M 3
Connecting Capacity	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-4
Number of Connectable Conductors	4 x 1.5 mm^2
Approvals	

Wire Range	24-10 AWG	24-10 AWG	4 mm^2
Voltage Rating	600V	600V	800V
Current Rating	30A	30A	32A

Tightening Torque	Max. 0.6 Nm
Gauges	A4

ACCESSORIES	**Cat. No.**
Available Colors	**6204000** – Gray **6204001** – Blue **6204002** – Black **6204003** – Brown **6204004** – Yellow-Green **6204005** – Green **6204006** – Yellow **6204007** – Orange **6204008** – Red **6204009** – White
End Plate Qty. pk. 10	**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)
Cover Qty. pk. 100	**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)
Jumper-Bar Package	**6800190** – .5M Jumper Bar
Jumpers 2 pole **3 pole** **4 pole**	**6800182** – 100 pieces **6800183** – 100 pieces **6800184** – 100 pieces
End Bracket Qty. pk. 100	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)
Test plug adapter (red)	**6800501**
Test plug adapter (black)	**6800500**

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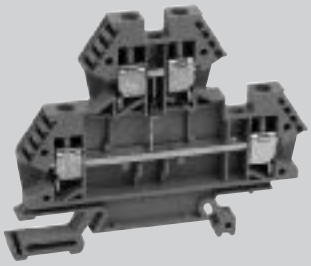
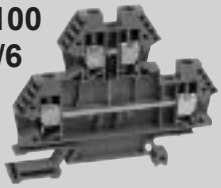
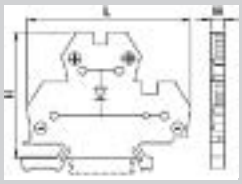
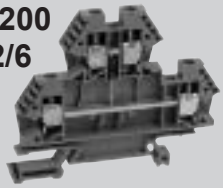
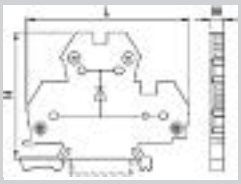
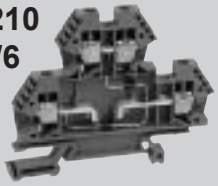
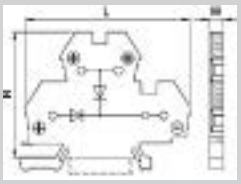
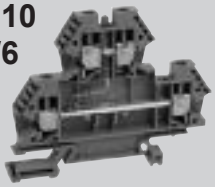
Specifications subject to change.
Dimensions are shown for reference purposes only.

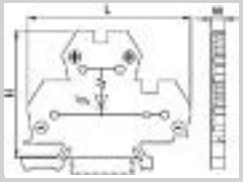
6204010 **D 4-2/6** *Cross Connected*	**6204100** **D 4-2/6** *Diode*	**6204200** **D 4-2/6** *Diode*	**6204210** **D 4-2/6** *Diode*
	 	 	 
72 mm (L) x 55 mm (H) x 6 mm (W)	72 mm (L) x 55 mm (H) x 6 mm (W)	72 mm (L) x 55 mm (H) x 6 mm (W)	72 mm (L) x 55 mm (H) x 6 mm (W)
4 x 3.3 mm	4 x 3.3 mm	4 x 3.3 mm	4 x 3.3 mm
10 mm	10 mm	10 mm	10 mm
M 3	M 3	M 3	M 3
Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4
DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-4
4 x 1.5 mm^2	4 x 1.5 mm^2	4 x 1.5 mm^2	4 x 1.5 mm^2
24-10 AWG / 24-10 AWG / 4 mm^2	24-10 AWG / 24-10 AWG / 4 mm^2	24-10 AWG / 24-10 AWG / 4 mm^2	24-10 AWG / 24-10 AWG / 4 mm^2
600V / 600V / 800V	600V / 600V / 800V	600V / 600V / 800V	600V / 600V / 800V
30A / 30A / 32A	30A / 30A / 32A	30A / 30A / 32A	30A / 30A / 32A
Max 0.6 Nm	Max 0.6 Nm	Max 0.6 Nm	Max. 0.6 Nm
A4	A4	A4	A4
Cat. No.	**Cat. No.**	**Cat. No.**	**Cat. No.**
6204010 – Gray **6204011** – Blue **6204014** – Yellow-Green **6204016** – Yellow	**6204100** – Gray **6204101** – Blue	**6204110** – Gray **6204111** – Blue	**43475** – Gray **Call for P/N** – Blue **Call for P/N** – Yellow
6800014 – 72 mm (L) x 55 mm (H) x 1.5 mm (W)	**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)	**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)	**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)
6800080 – 36 mm (L) x 14 mm (H) x 6 mm (W)	**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)	**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)	**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)
6800190 – .5M Jumper Bar			**6800190** – .5M Jumper Bar
6800182 – 100 pieces **6800183** – 100 pieces **6800184** – 100 pieces			**6800182** – 100 pieces **6800183** – 100 pieces **6800184** – 100 pieces
6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)
6800501	**6800501**	**6800501**	**6800501**
6800500	**6800500**	**6800500**	**6800500**

Screw Connection **Dual Level**

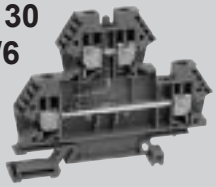
- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver plated copper
- **Clamp:** Hardened steel, electro-plated with zinc yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

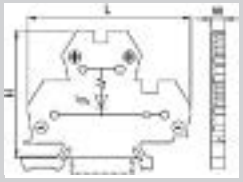
6204110 D 4-2/6 *LED*





6204130 D 4-2/6 *LED*





Screw Connection **Triple Level**

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Silver-plated copper
- **Clamp:** Nickel-plated brass
- **Screws:** Zinc plated and yellow-chromated steel
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

Dimensions	72 mm (L) x 55 mm (H) x 6 mm (W)			72 mm (L) x 55 mm (H) x 6 mm (W)			**Dimensions**
Opening	4 x 3.3 mm			4 x 3.3 mm			**Stripping Length**
Stripping Length	10 mm			10 mm			**Connecting Capacity**
Screw Thread	M 3			M 3			**Number of Connectable Conductors**
Rating	3, 4 K / 12-24V			34 K / 119V			**Approvals**
Connecting Capacity	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4			Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4			**Wire Range**
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-4			DIN 46288 / 1 mm^2 0.5-4			**Voltage Rating**
Number of Connectable Conductors	4 x 1.5 mm^2			4 x 1.5 mm^2			**Current Rating**
Approvals	CSA, cULus, VDE			CSA, cULus, VDE			**TIghtening Torque**
Wire Range	24-10 AWG	24-10 AWG	4 mm^2	24-10 AWG	24-10 AWG	4 mm^2	**Gauges**
Voltage Rating							**ACCESSORIES**
Current Rating							**Available Colors**
TIghtening Torque	Max 0.6 Nm			Max 0.6 Nm			**End Plate** Qty. pk. 25
Gauges	A4			A4			**Jumpers** 2 pole / Blue, 3 pole / Blue, 4 pole / Blue, 12-Pole / Blue, 2 pole / Red, 3 pole / Red, 4 pole / Red, 12-Pole / Red
ACCESSORIES	**Cat. No.**			**Cat. No.**			**End Bracket** Qty. pk. 50
End Plate Qty. pk. 10	**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)			**6800014** – 72 mm (L) x 55 mm (H) x 1.5 mm (W)			
Cover Qty. pk. 100	**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)			**6800080** – 36 mm (L) x 14 mm (H) x 6 mm (W)			
End Bracket Qty. pk. 100	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			

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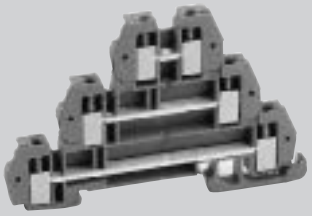
Dimensions are shown for reference purposes only.

6302000
T 2.5/5.3
Feed Through



78.5 mm (L) x 47.5 mm (H) x 5.3 mm (W)

7 mm

Solid conductors mm² 0.5-4
Stranded conductors mm² 0.5-2.5

2 x 1.5 mm²

26-14 AWG	26-14 AWG	2.5 mm²
300V	300V	250V
10A	10A	24A

Max. 0.5 Nm

A2

Cat. No.

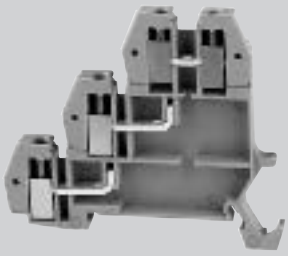
6302000 – Gray

6800015 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)

6800192 – 100 pieces
6800193 – 100 pieces
6800194 – 100 pieces
6800200 – 10 pieces
6800202 – 100 pieces
6800203 – 100 pieces
6800204 – 100 pieces
6800300 – 10 pieces

6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

6302100
T 2.5/5.3



62 mm (L) x 47.5 mm (H) x 5.3 mm (W)

7 mm

Solid conductors mm² 0.5-4
Stranded conductors mm² 0.5-2.5

2 x 1.5 mm²

26-14 AWG	26-14 AWG	2.5 mm²
300V	300V	250V
10A	10A	24A

Max. 0.5 Nm

A2

Cat. No.

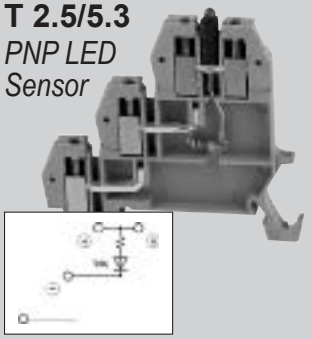
6302100 – Gray

6800016 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)

6800192 – 100 pieces
6800193 – 100 pieces
6800194 – 100 pieces
6800200 – 10 pieces
6800202 – 100 pieces
6800203 – 100 pieces
6800204 – 100 pieces
6800300 – 10 pieces

6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

6302110
T 2.5/5.3
PNP LED Sensor



62 mm (L) x 47.5 mm (H) x 5.3 mm (W)

7 mm

Solid conductors mm² 0.5-4
Stranded conductors mm² 0.5-2.5

2 x 1.5 mm²

26-14 AWG	26-14 AWG	2.5 mm²

Max. 0.5 Nm

A2

Cat. No.

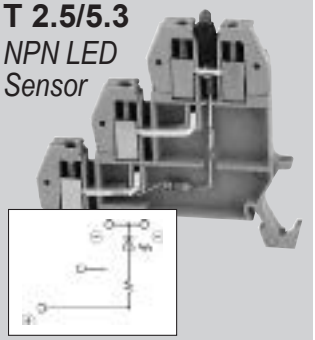
6302110 – Gray

6800016 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)

6800192 – 100 pieces
6800193 – 100 pieces
6800194 – 100 pieces
6800200 – 10 pieces
6800202 – 100 pieces
6800203 – 100 pieces
6800204 – 100 pieces
6800300 – 10 pieces

6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

6302120
T 2.5/5.3
NPN LED Sensor



62 mm (L) x 42.5 mm (H) x 5.3 mm (W)

7 mm

Solid conductors mm² 0.5-4
Stranded conductors mm² 0.5-2.5

2 x 1.5 mm²

26-14 AWG	26-14 AWG	2.5 mm²

Max 0.5 Nm

A2

Cat. No.

6302120 – Gray

6800016 – 55.4 mm (L) x 50 mm (H) x 1.5 mm (W)

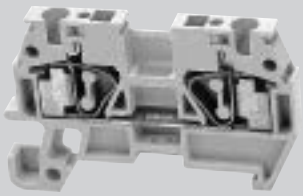
6800192 – 100 pieces
6800193 – 100 pieces
6800194 – 100 pieces
6800200 – 10 pieces
6800202 – 100 pieces
6800203 – 100 pieces
6800204 – 100 pieces
6800300 – 10 pieces

6804150 – 58 mm (L) x 36 mm (H) x 9 mm (W)

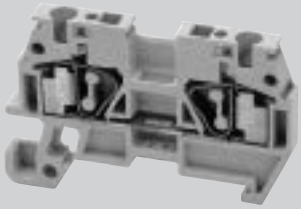
Screwless
Single Level

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

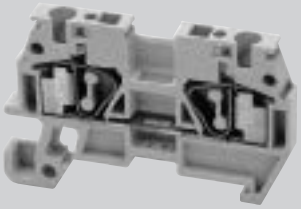
6102100
2.5/5 *Feed Through*



6104100
4/6 *Feed Through*



6106100
6/8 *Feed Through*



Dimensions	53 mm (L) x 28.5 mm (H) x 5 mm (W)			58 mm (L) x 34.5 mm (H) x 6 mm (W)			63 mm (L) x 36.5 mm (H) x 8 mm (W)	
Stripping Length	12 mm			15 mm			18 mm	
Connecting Capacity	Solid conductors mm^2 1-2.5 Stranded conductors mm^2 1-2.5			Solid conductors mm^2 1.5-4 Stranded conductors mm^2 1.5-4			Solid conductors mm^2 2.5-6 Stranded conductors mm^2 2.5-6	
Gauges	A3			A4			A5	
Approvals	CSA, UL, VDE			CSA, UL, VDE			CSA, UL, VDE	
Wire Range	24-12 AWG	24-12 AWG	2.5 mm^2	24-10 AWG	24-10 AWG	4 mm^2	22-8 AWG	22-8 AWG
Voltage Rating	600V	600V	630V	600V	600V	630V	600V	600V
Current Rating	20A	20A	24A	30A	30A	32A	50A	50A
ACCESSORIES	**Cat. No.**			**Cat. No.**			**Cat. No.**	
Available Colors	**6102100** – Gray **6102101** – Blue			**6104100** – Gray **6104101** – Blue			**6106100** – Gray **6106101** – Blue	
End Plate Qty. pk. 25	**6800030** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)			**6800021** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)			**6800022** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)	
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	
Jumper-Bar Qty. pk. 10	**6801050**			**6801050**				

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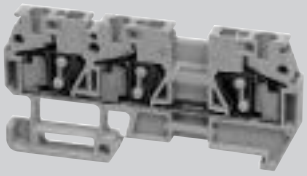
Dimensions are shown for reference purposes only.

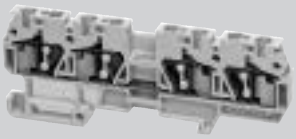
Screwless **Single-Multi Level**

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

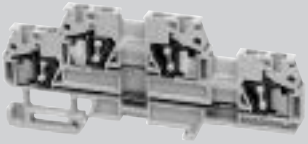
6102300 *Feed Through*



6102310 *Feed Through*



6202100 *Feed Through*

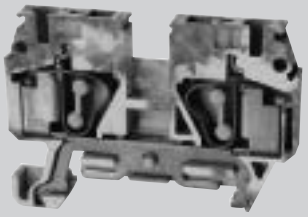
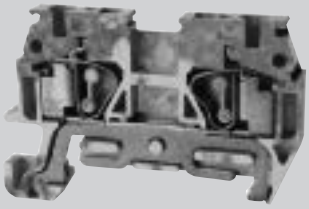
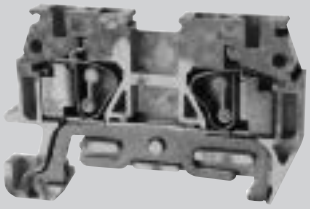


Dimensions	68.5 mm (L) x 28.5 mm (H) x 5 mm (W)			87.5 mm (L) x 28.5 mm (H) x 5 mm (W)			98 mm (L) x 37.5 mm (H) x 5 mm (W)		
Stripping Length	12 mm			12 mm			12 mm		
Connecting Capacity	Solid conductors mm^2 1-2.5 Stranded conductors mm^2 1-2.5			Solid conductors mm^2 1-2.5 Stranded conductors mm^2 1-2.5			Solid conductors mm^2 1-2.5 Stranded conductors mm^2 1-2.5		
Gauges	A3			A3					
Approvals									
Wire Range	24-12 AWG	24-12 AWG		24-12 AWG	24-12 AWG		24-12 AWG	24-12 AWG	
Voltage Rating	600V	600V	630V	600V	600V	630V	600V	600V	630V
Current Rating	20A	20A	24A	20A	20A	24A	20A	20A	24A
ACCESSORIES	**Cat. No.**			**Cat. No.**			**Cat. No.**		
Available Colors	**6102300** – Gray **6102301** – Blue			**6102100** – Gray			**6102100** – Gray		
End Plate Qty. pk. 25	**6800025** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)			**6800026** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)			**6800027** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)		
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)		
Jumper-Bar Qty. pk. 10	**6801050**			**6801050**			**6801050**		

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Screwless **Ground**

- **Plastic Body:** Polyamide 66.6 VO
- **Internal Bus:** Tin-plated copper
- **Spring:** Stainless steel
- **Foot:** Tin-plated brass
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

	6402000 2.5/5	**6404000 4/6**	**6406000 6/8**
			
Dimensions	53 mm (L) x 28.5 mm (H) x 5 mm (W)	58 mm (L) x 34.5 mm (H) x 6 mm (W)	63 mm (L) x 36.5 mm (H) x 8 mm (W)
Stripping Length	12 mm	15 mm	15 mm
Connecting Capacity	Solid conductors mm^2 1-2.5 Stranded conductors mm^2 1-2.5	Solid conductors mm^2 1-2.4 Stranded conductors mm^2 1-2.4	Solid conductors mm^2 2.5-6 Stranded conductors mm^2 2.5-6
Gauges	A3	A4	A5
Approvals	CSA, UL, VDE	CSA, UL, VDE	CSA, UL, VDE
Wire Range	24-12 AWG / 24-12 AWG / 2.5 mm^2	24-10 AWG / 24-10 AWG / 4 mm^2	22-8 AWG / 22-8 AWG / 6 mm^2
Voltage Rating			
Current Rating			
ACCESSORIES	**Cat. No.**	**Cat. No.**	**Cat. No.**
Available Colors	**6402000** – Yellow-Green	**6404000** – Yellow-Green	**64062000** – Yellow-Green
End Plate Qty. pk. 25	**6800020**– 50 mm (L) x 23 mm (H) x 1.5 mm (W)	**6800021** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)	**6800022** – 50 mm (L) x 23 mm (H) x 1.5 mm (W)
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)

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Specifications subject to change.
Dimensions are shown for reference purposes only.

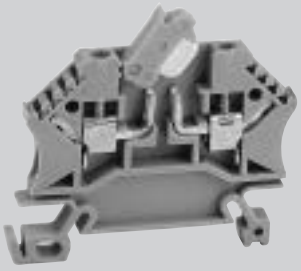
Fuse

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yelow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

	6104500 **5x20**	**6104110** **5x20** *LED*	**6104600** **5x20** *Disconnect*
Dimensions	66 mm (L) x 44 mm (H) x 10 mm (W)	66 mm (L) x 44 mm (H) x 10 mm (W)	66 mm (L) x 44 mm (H) x 10 mm (W)
Opening	4 x 3.3 mm	4 x 3.3 mm	4 x 3.3 mm
Stripping Length	10 mm	10 mm	10 mm
Screw Thread	M 3	M 3	M 3
Connecting Capacity	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-4
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-4
Number of Connectable Conductors	4 x 1.5 mm^2	4 x 1.5 mm^2	4 x 1.5 mm^2
Gauges	A4	A4	A4
Approvals	CSA, UL, VDE	CSA, UL, VDE	CSA, UL
Wire Range	24-10 AWG / 24-10 AWG / 4 mm^2	24-10 AWG / 24-10 AWG / 4 mm^2	24-10 AWG / 24-10 AWG
Voltage Rating	300V / 300V / 500V	300V / 300V / 500V	300V / 300V
Current Rating	30A / 30A /	30A / 30A /	30A / 30A
Tightening Torque	Max 0.6 Nm	Max 0.6 Nm	Max 0.6 Nm
Lever	Plastic material resistant up to 250° C		Plastic material resistant up to 250° C
Internal Bus	Silver-plated brass	Silver-plated brass	Silver-plated brass
Fuse Terminal	Silver-plated bronze	Silver-plated bronze	Silver-plated bronze
ACCESSORIES	**Cat. No.**	**Cat. No.**	**Cat. No.**
Available Colors	**6104500** – Gray	**6104110** – 12-24V **6104120** – 60V **6104130** – 110V **6104140** – 220V	**6104600** – Gray
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)
			Warning: DO NOT DISCONNECT UNDER LOAD

Fuse

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yelow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Marking:** 4 slots on both sides
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

	6110010 **1-1/4x1/4**			**6110110** **1-1/4x1/4** *LED*			**6102050** **Knife** *Disconnect*		
									
Dimensions	82 mm (L) x 52 mm (H) x 10 mm (W)			82 mm (L) x 52 mm (H) x 10 mm (W)			52 mm (L) x 35 mm (H) x 5 mm (W)		
Opening	6 x 5.5 mm			6 x 5.5 mm			3.6 x 2.6 mm		
Stripping Length	12 mm			12 mm			10 mm		
Screw Thread	M 4			M 4			M 2.6		
Connecting Capacity	Solid conductors mm^2 1.5-16 Stranded conductors mm^2 1.5-10			Solid conductors mm^2 1.5-16 Stranded conductors mm^2 1.5-10			Solid conductors mm^2 0.5-4 Stranded conductors mm^2 0.5-2.5		
Conductors with Ferrules	DIN 46288 / 1 mm^2 1.5-10			DIN 46288 / 1 mm^2 1.5-10			DIN 46288 / 1 mm^2 0.5-4		
Number of Connectable Conductors	2 x 6 mm^2			2 x 6 mm^2			2 x 1.5 mm^2 4 x 1.0 mm^2		
Gauges	B6			B6			A3		
Approvals	CSA UL VDE			CSA UL VDE			CSA UL VDE		
Wire Range	20-6 AWG	20-6 AWG	10 mm^2	20-6 AWG	20-6 AWG	10 mm^2	22-12 AWG	22-12 AWG	2.5 mm^2
Voltage Rating	600V	600V	750V	600V	600V	750V	600V	600V	800V
Current Rating	30A	30A		30A	30A		20A	20A	16A
Tightening Torque	Max 2.0 Nm			Max 2.0 Nm			Max 0.5 Nm		
Lever	Plastic material resistant up to 250° C			Plastic material resistant up to 250° C					
Internal Bus	Silver-plated brass			Silver-plated brass			Tin-plated brass		
Fuse Terminal	Silver-plated bronze			Silver-plated bronze			**Disconnector Blade:** Tin-plated cpoopper alloy		
ACCESSORIES	**Cat. No.**			**Cat. No.**			**Cat. No.**		
Available Colors	**6110010** – Gray			**6110110** – 12-24V **6110120** – 60V **6110130** – 110V **6110140** – 220V			**6102050** – Gray		
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)			**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)		

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Specifications subject to change.
Dimensions are shown for reference purposes only.

DIN Ground

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yelow chromated
- **Foot:** Steel, zinc plated and yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Tracking Resistance:**
  IEC 112: CTI > 600
  VDE 0303: KB > 600

	6104300 4/7	6104310 6/8	6104320 10/10
Dimensions	58 mm (L) x 36 mm (H) x 7 mm (W)	58 mm (L) x 44 mm (H) x 8 mm (W)	58 mm (L) x 44 mm (H) x 10 mm (W)
Opening	4 x 3.3 mm	5 x 4 mm	4 x 3.3 mm
Stripping Length	10 mm	12 mm	13 mm
Screw Thread	M 3	M 3.5	M 4
Ground Screw	M 3	M 3	M 3
Metal Part	Tin-plated copper	Brass	Tin-plated brass
Connecting Capacity	Solid conductors mm^2 0.5-4 Stranded conductors mm^2 0.5-4	Solid conductors mm^2 0.5-6 Stranded conductors mm^2 0.5-2.6	Solid conductors mm^2 1.5-10 Stranded conductors mm^2 1.5-10
Conductors with Ferrules	DIN 46288 / 1 mm^2 0.5-4	DIN 46288 / 1 mm^2 0.5-6	DIN 46288 / 1 mm^2 1.5-10
Number of Connectable Conductors	4 x 1.5 mm^2	2 x 4 mm^2	2 x 6 mm^2
Gauges	A4	B6	B6
Approvals			
Wire Range	24-10 AWG / 24-10 AWG / 4 mm^2	22-8 AWG / 22-8 AWG / 6 mm^2	18-6 AWG / 20-8 AWG / 10 mm^2
Voltage Rating			
Current Rating			
Tightening Torque	Max 0.6 Nm	Max 1.2 Nm	Max 2.0 Nm
ACCESSORIES	**Cat. No.**	**Cat. No.**	**Cat. No.**
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

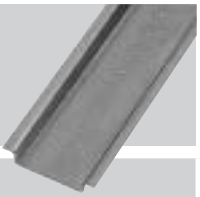
DIN Ground

- **Plastic Body:** Polyamide 6.6
- **Clamp:** Hardened steel, electro-plated with zinc yelow chromated
- **Foot:** Steel, zinc plated and yellow chromated
- **Screws:** Steel, zinc plated and yellow chromated
- **Tracking Resistance:** IEC 112: CTI > 600 VDE 0303: KB > 600

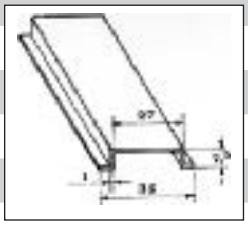
	6104330 16-25/12	6104340 35-50/16	6504010 4/6 Mini
Dimensions	58 mm (L) x 49 mm (H) x 12 mm (W)	62 mm (L) x 60 mm (H) x 16 mm (W)	32 mm (L) x 28 mm (H) x 6 mm (W)
Opening	7 x 7.4 mm	11 x 10 mm	4 x 3.3 mm
Stripping Length	14 mm	18 mm	10 mm
Screw Thread	M 5	M 6	M 3
Ground Screw	M 3	M 4 Nickel-plated brass	
Metal Part	Brass	Tin-plated brass	Tin-plated Copper
Connecting Capacity	Solid conductors mm^2 1.5-25 Stranded conductors mm^2 1.5-26	Solid conductors mm^2 2.5-50 Stranded conductors mm^2 2.5-35	Solid conductors mm^2 0.5-4 Stranded conductors mm^2 0.5-4
Conductors with Ferrules	DIN 46288 / 1 mm^2 1.5-16	DIN 46288 / 1 mm^2 2.5-35	DIN 46288 / 1 mm^2 1.5-4
Number of Connectable Conductors	2 x 10 mm^2	2 x 25 mm^2	4 x 1.5 mm^2
Gauges	B7	B9	A4
Approvals	CSA, UL, VDE	CSA, UL, VDE	CSA, UL, VDE
Wire Range	14-4 AWG / 14-4 AWG / 25 mm^2	14-1/0 AWG / 14-2/0 AWG / 35 mm^2	18-10 AWG / 18-10 AWG / 2.5 mm^2
Voltage Rating			
Current Rating			
Tightening Torque	Max 3.0 Nm	Max 5.0 Nm	Max 0.6 Nm
ACCESSORIES	**Cat. No.**	**Cat. No.**	**Cat. No.**
End Bracket Qty. pk. 50	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804150** – 58 mm (L) x 36 mm (H) x 9 mm (W)	**6804500** – 58 mm (L) x 36 mm (H) x 9 mm (W)

Specifications subject to change.
Dimensions are shown for reference purposes only.

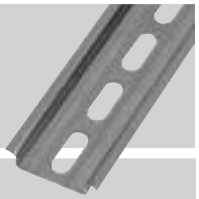
Screw Connection
Mounting Rails 35x7.5



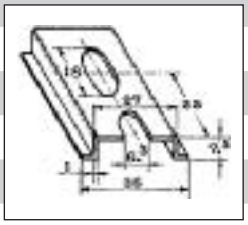
Part Number	6804100
Materials	Steel zinc-plated and yellow-cromated
Weight	0,35 kg/m
Aluminum	Al Mg Si 0.5
Copper	Electrolytic
Standard length of bars	2 m
Quantity pack	40 m bundles
Weight Pack	14 Kg
Terminal blocks up to	16-35-50 mm²



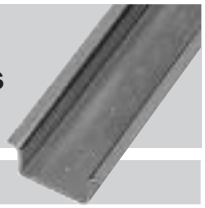
Screw Connection
Mounting Rails 35x7.5 Slotted



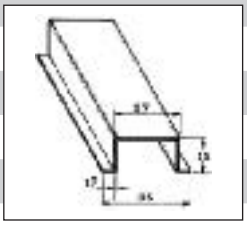
6804101	
Steel zinc-plated and yellow-cromated	
0,31 kg/m	
Al Mg Si 0.5	
Electrolytic	
2 m	
40 m bundles	
12.5 Kg	
16-35-50 mm²	



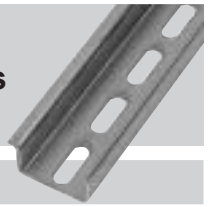
Screw Connection
Mounting Rails 35x15



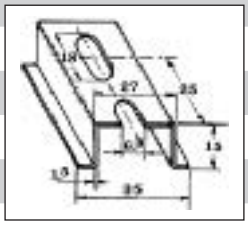
6804110	
Steel zinc-plated and yellow-cromated	
0.63 kg/m	
Al Mg Si 0.5	
Electrolytic	
2 m	
20 m bundles	
25 Kg	
0-95-150 mm²	



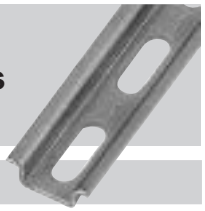
Screw Connection
Mounting Rails 35x15 Slotted



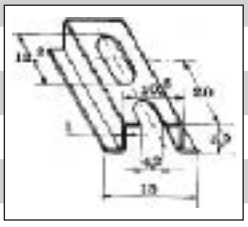
6804111	
Steel zinc-plated and yellow-cromated	
0.63 kg/m	
Al Mg Si 0.5	
Electrolytic	
2 m	
20 m bundles	
24 Kg	
50-95-150 mm²	

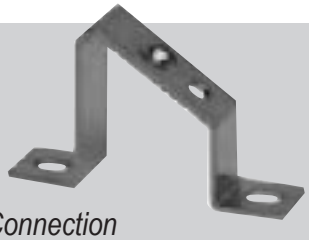


Screw Connection
Mounting Rails 15x5.5 Slotted

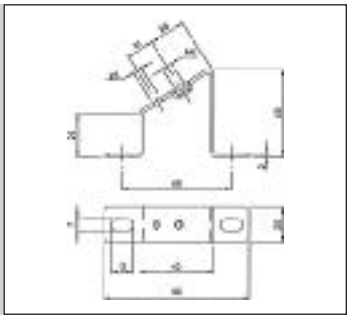


6804505	
Steel zinc-plated and yellow-cromated	
0.15 kg/m	
Al Mg Si 0.5	
Electrolytic	
2 m	
20 m bundles	
3 Kg	
10-16-25 mm²	





Screw Connection
Angled Support Bracket



Part Number	6804160
Materials	Steel zinc-plated and yellow cromated
Dimensions	78 mm (L) x 48 mm (H) x 20 mm (W)
Oval Fixing	6.9 x 9.8 mm
Quantity pack	50 pieces

Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.

Slotted Screwdrivers (Tip Size)

Part Number	Description	2.5mm	3.0mm	3.5mm	4mm	5mm	other
6104000	Din 4			•			
6106000	Din 6				•		
6110000	Din 10				•		
6116000	Din 16–25					•	
6135000	Din 35–50					•	
6170000	Din 70						hex
6102000	Din 2.5		•				
6504000	Mini			•			
6102050	Knife Disc		•				
6104310	Din 6G				•		
6104330	Din 16–25G					•	
6104300	Din 4G			•			
6104340	Din 35–50G					•	
6104320	Din 10G				•		
6504010	Mini Gnd			•			
6204000	Double			•			
6204010	x-conn			•			
6204200	Diode			•			
6204110	LED 12–24			•			
6204130	LED 110			•			
6302000	Triple	•					
6302100	Sensor	•					
6110010	Fuse 1/4x1-1/4				•		
6104500	Fuse 5x20		•				
6104600	Disc Bar				•		
6104110	Fuse 5x20 led		•				
6104120	Fuse 5x20 led		•				
6104130	Fuse 5x20 led		•				
6104140	Fuse 5x20 led		•				
6110110	Fuse 1/4x1-1/4 led				•		
6110120	Fuse 1/4x1-1/4 led				•		
6110130	Fuse 1/4x1-1/4 led				•		
6110230	Fuse 1/4x1-1/4 led				•		
6302110	Sensor pnp	•					
6302120	Sensor npn	•					

Marking Strips

Series 6806100

For terminal blocks: DIN 4, DIN 4-2, DIN Fuse Blocks, DIN G Ground

6806100	white
6806101	1-50
6806102	51-100
6806103	101-150
6806104	151-200
6806150	L1-L2-L3, L, N, ⏚, +, –, COM, COM

Series 6806000

For terminal blocks: DIN 2.5, DIN T

6806000	white
6806001	1-100
6806002	101-200
6806050	L1-L2-L3, L, N, ⏚, +, –, COM, COM

Series 6806600

For terminal blocks: DIN 4/15, DIN 2.5, DIN 2.5, DIN 4x2 (two stage); DIN Fuse Block; DIN Ground

6806600	white
6806601	1-5
6806602	6-10
6806650	0-9, +, –, ~, =, ⏚, A-Z

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Specifications subject to change.
Dimensions are shown for reference purposes only.

Family of Products

- RFI FIlters
- Filtered Power Entry
- Custom Filters
- Terminal Blocks
- Custom Terminal Blocks
- Liquid Level Controllers
- PCB Mount Blocks
- DIN Rail

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