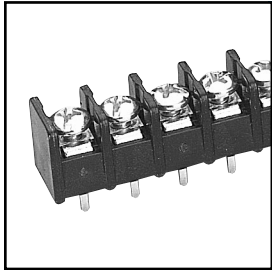
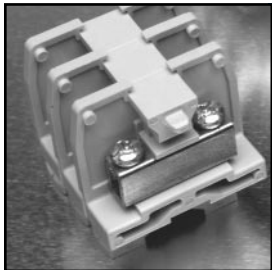


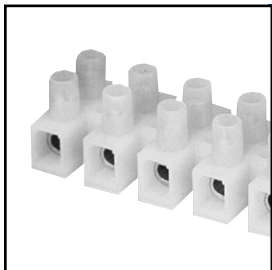
Eurostyle



Barrier Strips



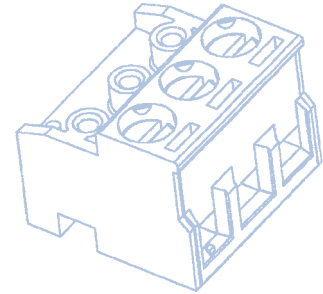
NEMA



Europa

Considerations when specifying Terminal Blocks:

- Current and voltage ratings
- Wire range
- Mounting options (PCB mount, panel mount or rail/channel mount)
- Centerline spacing
- Operating temperature
- Screw torque



There are several common configurations of Terminal Blocks:

Type

Eurostyle
Barrier Strips
NEMA
Europa (Eurostrips)

Mounting Options

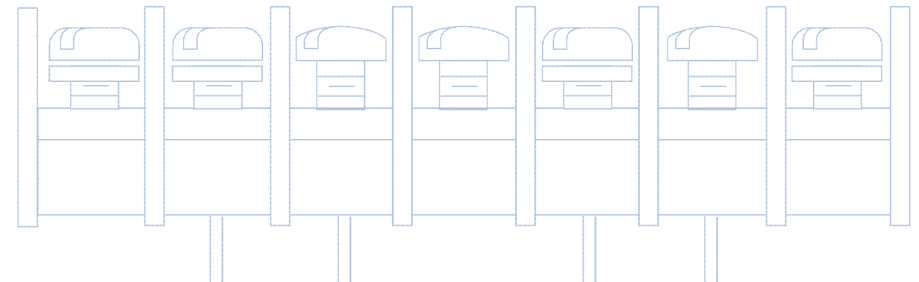
PCB Mount
PCB Mount
Direct Mount (Flat Base) or Channel Mount (Dovetail Base)
Panel Mount or Free Hanging

Other Types:

Card Edge is mounted on the edge of a PCB.
Interface Modules are mounted on a channel such as the SNAPTRACK channel.

References:

Catalog 1308389
Sample Kit 1308582 (limited availability)



Industry Applications

Appliance

Terminal Blocks	Housewares
Eurostyle	✓
Barrier Strips, Barrier Strip Sockets & Accessories	✓
Europa	✓
NEMA	
Card Edge	
Interface Module & Accessories	
Accessories	✓

Housewares: Includes counter-top appliances and portable/mobile appliances (such as vacuum cleaners). **Note:** Includes electric garage door openers.

Automotive

Terminal Blocks	Convenience Systems			Driver Information			Safety Systems			Security Systems		
	Car	Truck	Other	Car	Truck	Other	Car	Truck	Other	Car	Truck	Other
Eurostyle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Barrier Strips, Barrier Strip Sockets & Accessories	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Europa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEMA												
Card Edge												
Interface Module & Accessories												
Accessories	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Industrial & Commercial

Terminal Blocks	Industrial	HVAC	Security Systems	Lighting
Eurostyle	✓		✓	✓
Barrier Strips, Barrier Strip Sockets & Accessories	✓	✓	✓	
Europa	✓	✓	✓	
NEMA	✓			
Card Edge	✓	✓	✓	
Interface Module & Accessories	✓			
Accessories	✓	✓	✓	✓

Industrial Machinery: Industrial equipment including process controls, production equipment, factory automation equipment, material handling equipment, robotics, forklifts, welding equipment, generators and energy generation.
HVAC: Heating Ventilating & Air Conditioning systems including furnaces, condensers and related controllers. **Motors:** Industrial Motors. **Security Systems:** Includes cameras and other input devices, keypad systems, and related control boxes. **Lighting:** Lighting systems including ballasts and control devices.

©2003 by Tyco Electronics Corporation.

All Rights Reserved.

1654690-GIC-FP-6-03-0G3B

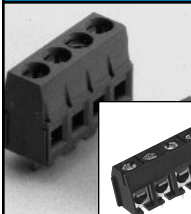
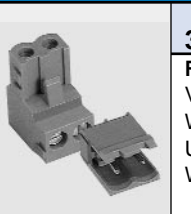
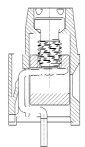
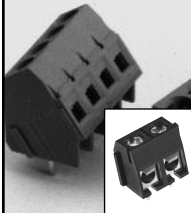
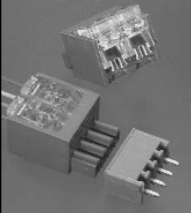

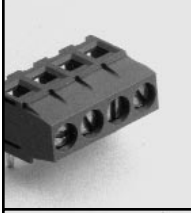

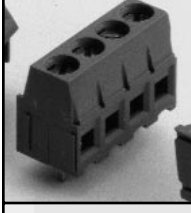
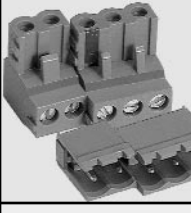
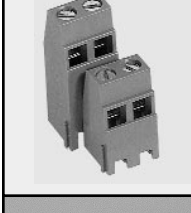
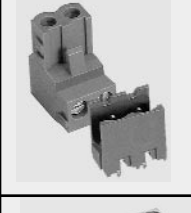

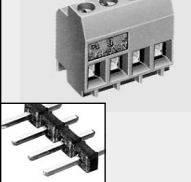
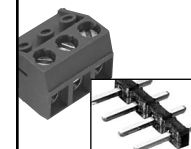
BUCHANAN, SNAPTRACK and TYCO are trademarks. NEMA is a trademark of the National Electrical Manufacturers Association.

Technical Support:
USA: 1-800-522-6752



Canada: 1-905-470-4425
Mexico: 01-800-733-8926

Central America: 52-55-5-729-0425
South America: 55-11-3611-1514

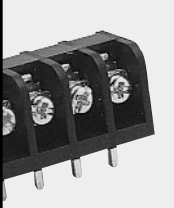
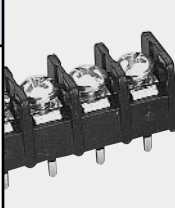
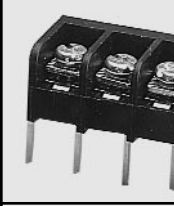

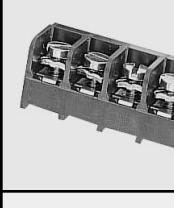
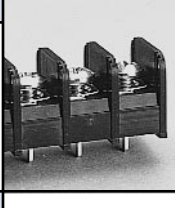

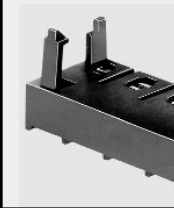
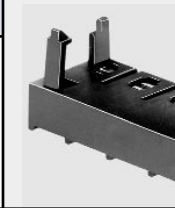
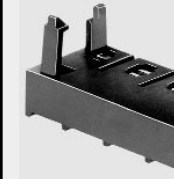
Tyco Electronics Corporation
www.tycoelectronics.com

One-Piece PCB Mount			Two-Piece PCB Mount		
	3.50 mm and 3.81 mm Centerline			3.50 mm and 3.81 mm Centerline	
	Rising Cage Clamp Vertical or horizontal mount UL Rating 300 V, 12 A Wire Range 14-30 AWG	 Wire Protector Vertical or horizontal mount UL Rating 250 V, 7 A Wire Range 18-26 AWG		Rising Cage Clamp Vertical or horizontal mount With and without screw flange UL Rating 300 V, 11 A Wire Range 14-30 AWG	
	5.00 mm and 5.08 mm Centerline			3.50 mm Centerline PIVOT BLOCK Plugs (IDC)	
	Rising Cage Clamp Vertical or horizontal mount (3 profiles) Wire range and current vary w/ profile, 12-30 AWG, 300 V, 12 A to 24 A	Wire Protector Vertical or horizontal mount UL Rating 250 V, 10 A Wire Range 14-22 AWG		Mates with rt.-angle and vertical headers With and without screw flange UL Rating 250 V, 5 A max. per contact 10 cycles min. durability wire termination Screwdriver required to open wire stuffer.	
	7.50 mm and 7.62 mm Centerline			5.00 mm and 5.08 mm Centerline	
	Rising Cage Clamp Vertical or horizontal mount (2 profiles) Wire range and current vary w/ profile, 12-30 AWG, 300 V, 17.5 A to 24 A			Rising Cage Clamp Vertical or horizontal mount With and without screw flange UL Rating 300 V, 15 A Wire Range 12-30 AWG	
	10.00 mm and 10.16 mm Centerline			7.50 mm and 7.62 mm Centerline	
	Rising Cage Clamp Vertical or horizontal mount (3 profiles) Wire range and current vary w/ profile, 12-30 AWG, 600 V, 17.5 A to 24 A			Rising Cage Clamp Vertical or horizontal mount Without screw flange UL Rating 300 V, 15 A Wire Range 12-30 AWG	
	Stacking Two- and Three-Level			10.00 mm and 10.16 mm Centerline	
	Rising Cage Clamp 5.00 mm, 5.08 mm, 10.00 mm and 10.16 mm centerline (3 profiles) Wire range and current vary w/ profile, 12-30 AWG, 300 V, 13.5 A to 24 A			Rising Cage Clamp Vertical or horizontal mount Without screw flange UL Rating 600 V, 15 A Wire Range 12-30 AWG	
	Screwless			5.00 mm and 10.00 mm Centerline Flush Mount Plugs and Unshrouded Headers	
	2SV Lever Series Vertical only, 5.00 mm & 5.08 mm centerline, 18-22 AWG, UL Rating 300 V, 10 A Modular Screwless Series Vertical and horizontal mount, 5.0 mm and 5.08 mm centerline, 14-22 AWG, UL Rating 300 V, 10 A Vertical Screwless Wire Connector 3.5 mm staggered centerline, 18 AWG solid wire, UL Rating 600 V, 2 A			Rising Cage Clamp 5.00 mm: UL Rating 300 V, 12 A, 14-30 AWG 10.00 mm: UL Rating 600 V, 12 A, 14-30 AWG	 Wire Protector 5.00 mm only: UL Rating 300 V, 10 A, 14-22 AWG

Summary Chart

Type	Centerline (mm)	Contact Style	Current Rating (A)	Voltage Rating (V)	Wire Range (AWG)	Operating Temp. Range (C)	Mounting Option	Wire Entry	Screw Torque, Max. (in-lb)
One-Piece									
One-Level	3.50 and 3.81	Cage Clamp	12	300	14-30	-40° to +110°	90° or 180°	Side or top	2.2
One-Level	3.50 and 3.81	Wire Protector	7	250	18-26	-55° to +105°	90° or 180°	Side or top	2.5
One-Level	5.00 and 5.08	Cage Clamp	12-24	300	12-30	-40° to +110°	90° or 180°	Side or top	6-7
One-Level	5.00 and 5.08	Wire Protector	10	250	14-22	-55° to +105°	90° or 180°	Side or top	4
One-Level	7.50 and 7.62	Cage Clamp	17.5-24	300	12-30	-40° to +110°	90° or 180°	Side or top	7
One-Level	10.00 and 10.16	Cage Clamp	17.5-24	600	12-30	-40° to +110°	90° or 180°	Side or top	6-7
Stacking Two- and Three-Level	5.00, 5.08, 10.00, & 10.16	Cage Clamp	13.5-24	300	12-30	-40° to +110°	180°	Side	6-7
2SV Screwless	5.08	Screwless (Lever)	10	300	18-22	130° Max.	None	Side	–
Modular Screwless	5.00 and 5.08	Screwless (Lever)	10	300	18-22	-55° to +105°	90° or 180°	Side or top	–
Vertical Screwless Wire Conn. 	3.5 (staggered)	Screwless	2	600	16-18 Solid	-30° to +80°	180°	Top	–
Two-Piece									
Plugs and Headers	3.50 and 3.81	Cage Clamp	11	300	14-30	-40° to +110°	90° or 180°	Side or top	2.7
Plugs and Headers	5.00 and 5.08	Cage Clamp	15	300	12-30	-40° to +110°	90° or 180°	Side or top	7
Plugs and Headers	7.50 and 7.62	Cage Clamp	15	300	12-30	-40° to +110°	90° or 180°	Side or top	7
Plugs and Headers	10.00 and 10.16	Cage Clamp	15	600	12-30	-40° to +110°	90° or 180°	Side or top	7
Flush Mt. Plugs & Unshrouded Hdrs.	5.00	Cage Clamp	12	300	14-30	-40° to +110°	90° or 180°	Side or top	6
Flush Mt. Plugs & Unshrouded Hdrs.	10.00	Cage Clamp	12	600	14-30	-40° to +110°	90° or 180°	Side or top	6
Flush Mt. Plugs & Unshrouded Hdrs.	5.00	Wire Protector	10	250	14-22	-55° to +105°	90° or 180°	Side or top	4.5
PIVOT BLOCK Plugs 	3.50	IDC	5	250	22-24	-40° to +80°	90° or 180°	Side or top	–

Reference: Catalog 1308389

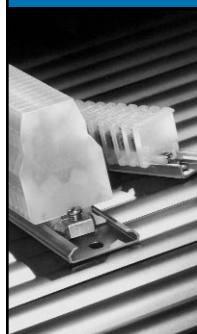
Tri-Barrier Strips		Dual-Barrier Strips (More cost effective)	
	.250" Centerline Series #3: 150 V / 300 V, 10 A, 18-22 AWG		.325" Centerline Series SSB3: 300 V, 15 A, 14-26 AWG (See mating Socket below) Series 4DB: 150 V / 300 V, 20 A, 14-22 AWG
	.325" Centerline Series #4: 150 V / 300 V, 20 A, 14-22 AWG Series RSB3: 300 V, 15 A, 14-26 AWG (See mating Socket below)		.375" Centerline Series JC6: 300 V, 20 A, 12-22 AWG Series NC6: 300 V, 20 A, 12-22 AWG (Low Profile)
	.375" Centerline Series #6: 300 V, 25 A, 12-22 AWG Series RSB6: 300 V, 20 A, 12-26 AWG (See mating Socket below) Series BC6: 300 V, 20 A, 12-22 AWG (Centered Contacts) Series MB6: 300 V, 25 A, 12-22 AWG (Double Level)		.4375" Centerline Series SSB7: 600 V, 20 A, 12-26 AWG
	.4375" Centerline Series #8: 300 V, 30 A, 10-18 AWG		
Tri-Barrier Sockets		Dual-Barrier Sockets	
	.325" Centerline Series USB: 300 V, 10 A. End-to-end stackable. For RSB3 Tri-Barrier Strips (2-12 Positions)		.325" Centerline Series USB: 300 V, 10 A. End-to-end stackable. For SSB3 Dual-Barrier Strips (1-12 Positions)
	.375" Centerline Series RSB6B: 300 V, 10 A. For RSB6 Tri-Barrier Strips (2-10 Positions)		PRODUCT FACTS: Barrier Strips: Fast wiring — backed out wire-ready screws. Interrupted thread designed to help prevent screws from falling out. Standoffs allow flux and solvents to drain during cleaning. Phil-slot screws are standard. Molded-to-length or cut-to-length housing versions are available. Sockets: Unique plug-in socket line allows quick connection of circuits simultaneously without the use of tools. Designed to be wave soldered to a PC Board.

Summary Chart

Type	Series	Centerline (in)	No. of Positions	Current Max. (A)	Voltage Max. (V)	Wire Range (AWG)	Operating Temp. Range (C)	Screw Torque Max. (in-lb)	Screw Size
Tri-Barrier									
	#3	.250	2-30	10	150/300	18-22	105° max.	5.5	M3
	#4	.325	2-24	20	150/300	14-22	105° max.	7	4-40 UNC
	#6	.375	2-28	25	300	12-22	105° max.	7	6-32 UNC
	BC6	.375	2-20	20	300	12-22	105° max.	7	6-32 UNC
	MB6	.375	4-40	25	300	12-22	105° max.	7	6-32 UNC
	#8	.4375	2-20	30	300	10-18	105° max.	20	8-32 UNC
Dual-Barrier									
	4DB	.325	2-24	20	150/300	14-22	105° max.	7	6-32 UNC
	JC6	.375	2-25	20	300	12-22	105° max.	7	6-32 UNC
	NC6	.375	2-30	20	300	12-22	105° max.	7	6-32 UNC
	SSB7	.4375	2-26	20	600	12-26	-60° to +105°	8	6-32 UNC
Sockets*									
	USB	.325	2-12	10	300	NA	-60° to +105°	—	—
	RSB6B	.375	2-10	10	300	NA	-60° to +105°	—	—

*Sockets are end-to-end stackable

Reference: Catalog 1308389



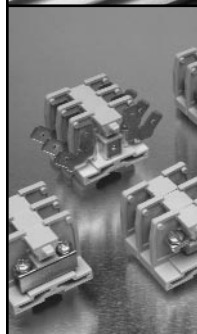
High Density 100 Series

Centerline of .24" or .25" saves panel space
 Uses tubular clamp contact
 Wire size 30-12 AWG; no crimping required
 Single tier, double tier, and miniature styles
 Nylon and polypropylene housing options
 Choice of five mounting channels



Ultra Heavy Duty 400 Series

High current capacity of 175 and 270 A, 600 V
 Wire size 12 to 2/0 AWG or 6 AWG to 250 kcmil (MCM)
 Tubular contacts
 Allen head screws allow maximum torque when using large wire sizes
 Snap-fit sectional design
 Same block mounts directly on surface or channel mounts



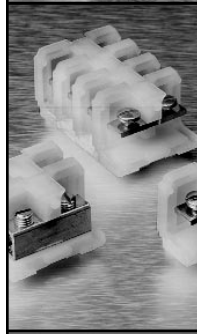
Medium Duty 900 Series

Centerline of .375"
 Rated at 300 and 600 V; 15 to 50 A
 Wire size 22-8 AWG
 Tubular clamp, tubular screw, strap screw, quick connect and tubular screw quick connect
 Snap-fit sectional design
 Flat (direct mount) or dovetail (channel mount) base designs offered



Ultra Heavy Duty 444 Series

Used with wire sizes from 4 AWG to 600 kcmil (MCM)
 Rated at 455 A for copper wire; 370 A for aluminum wire
 Can withstand IEEE standard for 2000 V
 Tubular screw contacts
 Allen head screws allow maximum torque when using large wire sizes



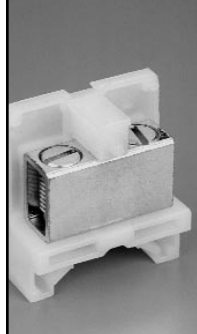
Heavy Duty 200 Series

Centerline of .50" and .56"
 Rated at 600 V UL and NEMA rating
 35 to 85 A per circuit
 Accepts wire up to 4 AWG, solid or stranded
 Tubular clamp, tubular screw, strap clamp, strap screw options
 Flat (direct mount) or dovetail (channel mount) base available
 Nylon or polypropylene housings; Phenolic housing for high-temperature applications



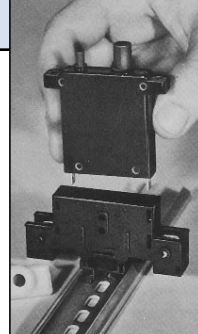
Fuse and Switch 300 & 0135 Series

Require lower initial investment than terminal blocks with circuit breakers
 Uses switch action fuse puller by automatically opening the circuit as the puller is opened
 Wire contacts rated at 30 A per circuit
 Switch block contacts rated at 15 A
 Nylon or polypropylene housings; Phenolic housing for high-temperature applications



Intermediate Heavy Duty 800 Series

Centerline of .75"
 Rated at 600 V and 150 A
 Uses tubular screw contacts
 Standard and corrosion resistant versions
 Accepts 12-1/0 AWG solid or stranded wire
 Nylon Housing



Circuit Breaker CBB Series

Assortment of re-settable circuit breakers
 Accepts wire ends of 12 AWG or smaller
 Contact rated for 30 A; circuit breaker rated for 17 A, 600 V
 Snap-fit with heavy duty nylon, polypropylene, and medium duty phenolic blocks


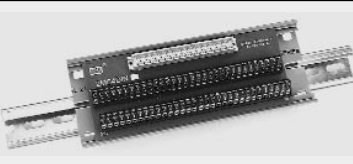


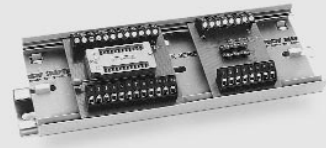
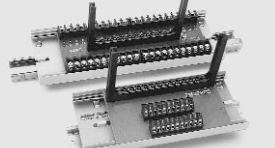
Summary Chart

Type	Centerline (in)	Contact Style	Current Rating (A)	Voltage Rating (V)	Wire Range (AWG)	Operating Temp. Range (C) & UL94 Rating	Screw Torque Max. (in-lb)	Mounting Option
High Density 100 Series								
High Density Miniature	.250	Tubular Clamp	28	300, 600*	30-12	-35° to +105°(V-0), -35° to +125°(V-2)	10	Direct & Channel
High Density Single Tier	.250	Tubular Clamp	28	600	30-12	-35° to +125°(V-2)	10	Direct & Channel
High Density Double Tier	.240	Tubular Clamp	25	600	30-12	-35° to +125°(V-2)	10	Channel
Medium Duty 900 Series								
Polyester or Polyphenylene Sulfide	.375	Tubular Clamp	30	600	22-8	-35° to +150°(V-1), -35° to +200°(V-0)	8	Direct & Channel
	.375	Tubular Screw	50	600	22-8	-35° to +150°(V-1)	8	
	.375	Strap Screw	15, 35**	600	10**, 2-14	-35° to +150°(V-1), -35° to +200°(V-0)	12	
	.375	Plug-in	30	600	22-10	-35° to +150°(V-1)	8	
	.375	Quick Connect	20	300	--	-35° to +150°(V-1)	—	
	.375	Tubular Quick Conn	65	300	18-12	-35° to +150°(V-1)	10	
Heavy Duty 200 Series								
Nylon or Polypropylene	.50	Tubular Clamp	65	600	18-6	-35° to +105°(V-0), -35° to +125°(V-2)	35	Direct & Channel
	.50	Tubular Screw	85	600	18-4	-35° to +105°(V-0), -35° to +125°(V-2)	35	
	.50	Strap Clamp	50	600	18-8	-35° to +105°(V-0), -35° to +125°(V-2)	12	
	.50	Strap Screw	35	600	10 & smaller	-35° to +105°(V-0), -35° to +125°(V-0)	12	
Phenolic	.56	Tubular Clmp/Scrw	65, 85	600	18-4	-35° to +150°(V-1)	35	Direct & Channel
	.56	Strap Clmp/Scrw	50, 35	600	18-8, 10 & smaller	-35° to +150°(V-1)	12	
Intermediate Heavy Duty 800 Series								
Intermediate Heavy Duty	.75	Tubular Screw	150	600	1/0-12	-35° to +125°(V-2)	50	Direct & Channel
Ultra Heavy Duty 400 Series								
Ultra Heavy Duty	1.19	Tubular Screw	175 & 255	600	250 MCM to 6 & 2/0-12	-35° to +150°(V-1)	375	Direct & Channel
Ultra Heavy Duty 444 Series								
600 KCMIL (MCM)	2.38	AL-CU Tub. Screw	340 & 420	600	600 MCM-4	-35° to +150°(V-1)	375	Direct & Channel
Fuse and Switch 300 Series								
Nylon, Polypropylene, or Phenolic	.75	Tubular Screw	15 switch, 30 fuse	600	8 & smaller	-35° to +105°(V-0), -35° to +125°(V-2), -35° to +150°(V-1)	10	Direct & Channel
	.75	Strap Clamp	15 switch, 30 fuse	600	8-18	-35° to +105°(V-0), -35° to +125°(V-2), -35° to +150°(V-1)	10	
	.75	Strap Screw	15 switch, 30 fuse	600	8 & smaller	-35° to +105°(V-0), -35° to +125°(V-2), -35° to +150°(V-1)	10	
Fuse & Switch High Density 0135 Series								
Fuse & Switch 0135 Series	.36	Tubular Screw	15 switch, 15 fuse	600	30-8	-35° to +125°(V-2)	6	Channel
Circuit Breaker CBB Series								
CBB Series	.63	Strap Clamp	30 contact, 17 breaker	600	12 & smaller	-35° to +125°(V-2)	10	Channel

*Limited power circuits

**Acceptable for 35 A max. factory wiring only when used with 10 AWG wire preterminated with suitable ring tongue terminals.


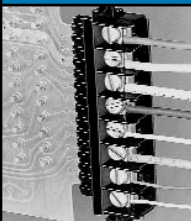
Reference: Catalog 1308389

	D-Sub Connector Interface Module* Converts from D-Subminiature wiring to field wiring Available with 9, 15, 25, 37, or 50-position D-Subminiature connector and terminal blocks		DIN 41612 Connector Interface Module* Converts DIN 41612 wiring to field wiring Available with either Type B or Type Q 64-position DIN connector and two 32-position terminal blocks
	Telco Connector Interface Module* Converts from telecommunications wiring to field wiring Available with 14, 24, 36, and 50-position telecommunications connector and terminal blocks		Flat Cable Connector Interface Module* Converts from flat ribbon cable to field wiring Available with 10 to 64-position ribbon cable connector and terminal blocks
	DIP Socket Interface Modules* Converts from DIP socket to field wiring Available with 8, 16, 24, and 40 position DIP sockets Zero Insertion Force (ZIF) DIP sockets are available in 16, 24, and 40 positions		Card Edge Interface Modules* Converts from card edge pcb to field wiring Available for pcb with .156" centerline contact spacing Version for single-sided PCBs has 22 positions Double-sided pcb version is 44 positions

*Custom configurations can be produced. All Interface Modules mount on SNAPTRACK Channel which can be panel mounted or snapped onto a DIN rail.

Summary Chart

Type	Number of Circuits	Connector Type	Current Rating (A)	Voltage Rating (V)	Wire Range (AWG)	Operating Temp. Range (C)	Mounting
Interface Modules							
DIN 41612 Connector	64	DIN Type Q & Type R	3	250	22-12	-25° to +120°	2TK2, 2TK2D Series SNAPTRACK Channel
Telco Connector	14-50	Telco Socket & Plug	3	250	22-12	-25° to +120°	2TK2, 2TK2D Series SNAPTRACK Channel
D-Sub Connector	9-50	Male & Female D-Sub	1.5	250	22-12	-25° to +120°	2TK2, 2TK2D Series SNAPTRACK Channel
Flat Cable Connector	10-64	FC w/Strain Relief Connector	1	125	22-12	-25° to +120°	2TK2, 2TK2D Series SNAPTRACK Channel
DIP Socket	8-40	DIP Socket	3	250	22-12	-25° to +120°	2TK2, 2TK2D Series SNAPTRACK Channel
ZIF Socket	16-40	ZIF Socket	1	250	22-12	-25° to +120°	2TK2/2TK2D, TK2/TK2D Series SNAPTRACK Channel
Card Edge	22, 44	Card Edge	5	250, 300	22-12	-25° to +120°	2TK2/2TK2D, TK2/TK2D Series SNAPTRACK
Circular Socket Assemblies	8, 11	Circular Socket	10	150, 250, 300	22-12	-25° to +60°	TK2/TK2D, 2TK2/2TK2D Series SNAPTRACK Channel
Miniature Socket Assemblies	14, 16	Miniature Socket	5	150	22-14	-25° to +105°	TK2/TK2D, 2TK2/2TK2D Series SNAPTRACK Channel
Square Socket Assemblies	11	Square Socket	10	150, 250	22-12	-25° to +60°	TK2, TK2D Series SNAPTRACK Channel

Europa Panel Mounted Terminal Blocks		Card Edge Terminal Blocks	
	Europa Panel Mounted Terminal Blocks Two screws per circuit provide secure wire attachment Can be cut or installed end-to-end Each version available in 1-12 circuits Wire size 26-6 AWG Rated for 250 or 600 V, 25-65 A per circuit Fused terminal blocks available in 10 and 12 mm versions		Card Edge Terminal Blocks Allow connection of wires to a pcb through a terminal block Centerline options of .150", .156", .200", .375", and 5 mm Connectors for single- and double-sided PCBs Choice of 90° and in-line orientation of wire to pcb Overall wire range of 12-26 AWG Number of circuits ranges from 6-44

Summary Chart

Type	Centerline (mm)	Number of Circuits	Contact Style	Current Rating (A)	Voltage Rating (V)	Wire Range (AWG)	Operating Temp. Range (C)	Screw Torque Max. (in-lb)
Europa Panel Mounted Terminal Blocks								
TSB230, TSB230HT Series	8	1-12	Wire Protector	30	250	12-26	-35° to +100°, -35° to +150°(HT)	4.4
	8	1-12	Tunnel Connection	30	250	12-24	-35° to +100°, -35° to +150°(HT)	4.4
TSB500, TSB500HT, TSB500SK Series	10	1-12	Wire Protector	25-30	250	10-24	-35° to +100°, -35° to +150°(HT)	4.4
	10	1-12	Tunnel Connection	25-30	250 & 600	10-22	-35° to +100°, -35° to +150°(HT)	4.4
TSB1000, TSB1000HT, TSB1000US Series	12	1-12	Wire Protector	40	250 & 600	10-24	-35° to +100°, -35° to +150°(HT)	7
	12	1-12	Tunnel Connection	40	250 & 600	8-22	-35° to +100°, -35° to +150°(HT)	7
TSB1500 Series	13.5	1-12	Wire Protector	40	300	8-18	-35° to +100°	10.6
	13.5	1-12	Tunnel Connection	40	300	8-16	-35° to +100°	10.6
TSB2000, TSB2000HT, TSB2000US Series	14.5	1-12	Wire Protector	65	300 & 600	6-14	-35° to +100°, -35° to +150°(HT)	17.7
	14.5	1-12	Tunnel Connection	65	300 & 600	6-14	-35° to +100°, -35° to +150°(HT)	17.7

Type	Centerline (in)	Number of Circuits	PCB Type	Wire Orientation to PCB	Wire In Front or Behind Panel	Wire Termination Style	Screw Torque Max. (in-lb)	Current Max. (A)	Wire Voltage (V)	Operating Range (AWG)	Temp. Range (C)
Card Edge Terminal Blocks											
Face Connector	.150	40	Double Sided	In-line	Behind	Screw/Cam	5	15	300	14-22	-65° to +130°
PCB1B Series	.156	6-43	Single Sided	90°	Front	Tubular Clamp	5-8	10	250	12*	-65° to +140°
PCB2B Series	.156	6-43	Single Sided	90°	Behind	Tubular Clamp	5-8	10	250	12*	-65° to +140°
PCB3S Series	.156	10-22	Single Sided	In-line	Behind	Tubular Clamp	5-8	10	250	16-26	-65° to +140°
PCB3D Series	.156	20-44	Double Sided	In-line	Behind	Tubular Clamp	5-8	10	250	16-26	-65° to +140°
PCB5B Series	.156	36	Double Sided	90°	Behind	Tubular Clamp	5-8	5	250	12*	-65° to +140°
PCB1A Series	.200	12-36	Single Sided	90°	Front	Tubular Clamp	5-8	10	250	12*	-65° to +140°
PCB3A Series	.200	6-44	Single Sided	In-line	Behind, Front	Tubular Clamp	5-8	10	250	12*	-65° to +140°
PSB Series	.375	6-28	Single Sided	In-line	Behind, Front	Wire Clamp	9	10	300	12-26	-60° to +95°
Input/Output	5mm	16, 18	Single Sided	In-line	—	Wire Protector	—	5	250	14-12	-35° to +105°

* Stranded wire only.

Reference: Catalog 1308389

©2003 by Tyco Electronics Corporation
All Rights Reserved.

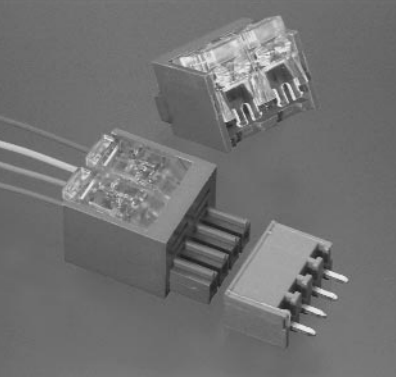

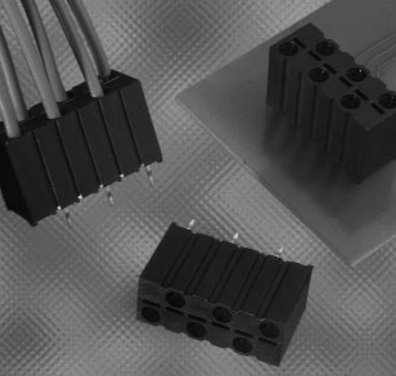

1654690-GIC-FP-6-03-0G3B
BUCHANAN, SNAPTRACK and TYCO are trademarks.

Technical Support:
USA: 1-800-522-6752

Canada: 1-905-470-4425
Mexico: 01-800-733-8926

Central America: 52-55-5-729-0425
South America: 55-11-3611-1514

Tyco Electronics Corporation
www.tycoelectronics.com

PIVOT BLOCK Plugs (IDC)		Double-Row, Dual-Barrier Strips	
	3.5 mm Centerline Two-piece Eurostyle; with and without screw flange; mates with right-angle and vertical headers; UL Rating 250 V, 5 A, max. per contact; 10 cycles min. durability wire termination No wire stripping required. Wire stuffer termination offers alternative to screw clamp plugs. Tactile feel when terminated; wire stuffer allows visual inspection. Screwdriver required to open wire stuffer. 250 VAC; 2.5 A (26 AWG solid and stranded, 7 strands only), 5 A (22-24 AWG solid and stranded, 7 strands only) 2-16 Positions Green standard color (Blue also available)		9.5, 11.0, 11.1 & 14.3 mm Centerlines Wire-to-wire terminations. Allow end users to complete wiring to a separate screw without disturbing factory wiring. *9.5 mm: 2-30 Positions; 300 VAC, 20 A, 12-22 AWG 11.0 & 11.1 mm: 2-26 Pos.; 300 VAC, 25 A, 14-22 AWG 14.3 mm: 2-18 Positions; 300 VAC, 30 A, 10-22 AWG Closed bottom design allows mounting direct to sheet metal panel Molded to length; available with binding head screws or wire clamp screws Accessories (Quick-connect tabs and jumpers) *9.5 mm Centerline Component Recognized by UL to US and Canadian Standards, File No. E60677 Applications: Industrial controls, test equipment, HVAC, power supplies, traffic signals, and Telecom
	Applications: Field installation/repair friendly; security/alarm devices, industrial controls, irrigation controls, HVAC, power supplies, and instrumentation		Applications: Industrial controls, test equipment, HVAC, power supplies, traffic signals, and Telecom
Vertical Screwless Wire Connectors		PC Screw Terminal Strips	
	3.5 mm [.138"] Staggered Centerline Low cost, through-hole, PCB mount, wire-to-board connectors. Kinked legs for PCB retention. 600 VAC, 2 A, 16 & 18 AWG solid wire and 18 AWG bonded Contact design allows retermination — Durability 5 cycles 2 and 6 Positions — Other positions possible Component Recognized by UL to US and Canadian Standards, File No. E28476 Applications: Lighting products, garage door openers, HVAC controls, security systems, and vending & gaming products		11.4 mm Centerline Right-angle, PCB mount, screw terminal strips designed for quick, user-friendly terminations. 300 VAC, 12 A, 12-22 AWG wire Common SEMS-style screw termination 2, 3 and 6 Positions — Other positions possible; four (4) solder leads per position. Segmented housing allows separation into smaller position counts To be submitted for UL Evaluation Applications: Lighting products, garage door openers, HVAC controls, security systems, and vending & gaming products

Summary Chart

	Centerline (mm)	Number of Positions	Current Rating (A)	Voltage Rating (V)	Wire Range (AWG)	Operating Temp. Range (C)	Screw Torque, Max. (in-lb)	Description
PIVOT BLOCK Plugs (IDC)	3.5	2-16	2.5 (26 AWG), 5 (22-24 AWG)	250	26 AWG & 22-24 AWG (solid & stranded, 7 strands only)	-40° to +80°	NA	Wire-to-Board Two-piece, with and without screw flange; mates with right-angle and vertical headers
Vertical Screwless Wire Connectors	3.5 Staggered	2 & 6	2	600	16 & 18 solid, 18 bonded	-30° to +80°	NA	Wire-to-Board Low cost, through-hole, PCB mount; kinked legs for retention
Double-Row, Dual-Barrier Strips	9.5	2-30	20	300	12-22	-40° to +105°	12	Wire-to-Wire Closed bottom design allows mounting direct to sheet metal panel. Molded to length. Available with binding head screws or wire clamp screws. Accessories (Quick-connect tabs & jumpers)
	11.0	2-26	25	300	14-22	-40° to +105°	12	
	11.1	2-26	25	300	14-22	-40° to +105°	12	
	14.3	2-18	30	300	10-22	-40° to +120°	16	
PC Screw Terminal Strips	11.4	2, 3 & 6	12	300	12-22	-40° to +90°	5-8	Wire-to-Board Right-angle, PCB mount (8.5 mm height); four solder leads per position. Common SEMS-style screw termination. Segmented housing allows separation into smaller position counts.

Reference: Catalog 1308389