

Ttec Terminals and Interface modules

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Techna U Series Universal Rail mounting

Standard Screw Clamp Feed Through terminals are the most versatile terminals. The range includes terminals for wires of size 0.5 to 95 mm².

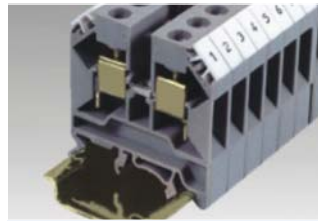
A special design feature on the flexible foot enables easy mounting and dismantling from the mounting rail with the help of a screwdriver.








The terminals have marker-holding recesses to accept most of the international K/Insert type marking tags. Cross connection can be achieved with the aid of shorting links/sleeves.

The terminals are Explosion Proof i.e. they can be used in potentially explosive atmospheres, which may occur in Chemical & Petrochemical industries. The terminals are designated for AAex ell & EEx ell and can be used in Class 1, Zone 1 hazardous locations. The terminal blocks comply to EN 50019.

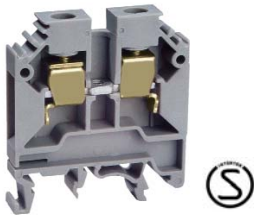
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40A with 2 Nos of 12 AWG wire
35A with 1 No of 10 AWG wire



Model		Ttec CTS2.5UN			Ttec CTS4UN		
Terminal Block Pitch		5 mm			6 mm		
Terminal H x W		45 x 43 mm			45 x 43 mm		
Conn.	Stranded Wire	0.5 to 2.5 mm ²			0.5 to 4 mm ²		
	Solid Wire	0.5 to 4 mm ²			0.5 to 6 mm ²		
Stripping Length		9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection		
Certification		   			  		
Wire Range		22-12 AWG	0.5-2.5 mm ²	24-14 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating		600 V	800 V	600 V	600 V	800 V	600 V
Rated Impulse Voltage/Pollution Degree		8 kV/3			8 kV/3		
Current Rating		25 A	24 A	20 A	35 A*	32 A	40 A*
Torque		7 lb-in	0.4 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
		Cat. No.		Std. Pack	Cat. No.		Std. Pack
Terminal Block		CTS2.5UN		100	CTS4UN		100
End Plate		EP2.5/4UN		50	EP2.5/4UN		50
Partition Plate		PP2.5/4UN		50	PP2.5/4UN		50
Separator Plate		SP2.5/4UN		100	SP2.5/4UN		100
Mounting rail		CA501		50 m	CA501		50 m
		CA701		50 m	CA701		50 m
		CA701-15		50 m	CA701-15		50 m
End Clamp		CA702		50	CA702		50
		CA802		50	CA802		50
Insulated Pre-assembled Shorting Links		2 Way		100	2 Way		100
		3 Way		50	3 Way		50
		4 Way		50	4 Way		50
		10 Way		10	10 Way		10
		100 Way		10	100 Way		10
Insulated Comb Type Shorting Links		2 Way		100	2 Way		100
		3 Way		100	3 Way		100
		4 Way		100	4 Way		100
		10 Way		50	10 Way		50
Marking Tags		K-type		100	K-type		100
		Continuous		10	Continuous		10

Aex ell Ex ell



Aex ell Ex ell



Aex ell Ex ell



Ttec CTS6U			Ttec CTS10U			Ttec CTS16U			Ttec CTS25U		
8 mm			10 mm			12 mm			12 mm		
47 x 43 mm			47 x 43 mm			47 x 43 mm			56 x 49 mm		
1.5 to 6 mm ²			1.5 to 10 mm ²			2.5 to 16 mm ²			6 to 25 mm ²		
1.5 to 10 mm ²			1.5 to 16 mm ²			2.5 to 25 mm ²			6 to 35 mm ²		
12 mm			12 mm			16 mm			18 mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection		
22-8 AWG	1.5-6 mm ²	22-8 AWG	22-6 AWG	1.5-10 mm ²	20-6 AWG	22-6 AWG	2.5-16 mm ²	20-4 AWG	12-2 AWG	6-25 mm ²	14-2 AWG
600 V	800 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V
	8 kV/3			8 kV/3			8 kV/3			8 kV/3	
50 A	41 A	50 A	65 A	57 A	65 A	70 A	76 A	85 A	115 A	101 A	115 A
9 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	14 lb-in	2.0 Nm	14 lb-in	14 lb-in	2.0 Nm	14 lb-in
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack	
CTS6U	100		CTS10U	100		CTS16U	50		CTS25U	50	
EP6/10U	50		EP6/10U	50		-			EP25U	50	
PP6/10U	50		PP6/10U	50		-			PP25U	50	
SP6/10U	100		SP6/10U	100		SP16U	100		SP25/35U	50	
CA501	50 m		CA501	50 m		CA501	50 m		CA501	50 m	
CA701	50 m		CA701	50 m		CA701	50 m		CA701	50 m	
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA701-15	50 m	
CA702	50		CA702	50		CA702	50		CA702	50	
CA802	50		CA802	50		CA802	50		CA802	50	
CA743/2	100		CA744/2	100		CA761/2	100		CA745/2	100	
CA743/3	50		CA744/3	50		CA761/3	50		CA745/3	50	
CA743/4	50		CA744/4	50		CA761/4	50		CA745/4	50	
CA743/10	10		CA744/10	10		CA761/10	10		CA745/10	10	
CA710/2	100		CA718/2	100		-			-		
CA710/3	100		CA718/3	100		-			-		
CA710/4	100		CA718/4	100		-			-		
CA710/10	50		CA718/10	50		-			-		
CA509/K8	100		CA509/K10	100		CA509/K12	100		CA509/K12	100	
CA509/K9F	10		CA509/K9F	10		CA509/K9F	10		CA509/K9F	10	

Techna TTEC TERMINALS

Aex ell Ex ell



Model		Ttec CTS35U			Ttec CTS 50U			Ttec CTS95U		
Terminal Block Pitch		15 mm			20.5 mm			25 mm		
Terminal H x W		58 x 52.5 mm			75.5 x 71 mm			90 x 83 mm		
Conn. Possibility	Stranded Wire	10 to 35 mm ²			16 to 50 mm ²			16 to 95 mm ²		
	Solid Wire	10 to 50 mm ²			16 to 70 mm ²			16 to 120 mm ²		
Stripping Length		18 mm			22 mm			24 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 screw clamps and 1 tapped hole for cross connection			2 screw clamp connection			2 screw clamp connection		
Certification										
Wire Range		8 - 2 AWG	10 - 35 mm ²	8 - 2 AWG	6 - 2/0 AWG	16 - 50 mm ²	6 - 2/0 AWG	2 - 4/0 AWG	16 - 95 mm ²	2 - 4/0 AWG
Voltage Rating		600 V	800 V	600 V	600 V	1000 V	600 V	600 V	1000 V	600 V
Rated Impulse Voltage/Pollution Degree		8 kV/3			8 kV/3			8 kV/3		
Current Rating		145 A	125 A	145 A	150 A	150 A	150 A	230 A	232 A	230 A
Torque		25 lb-in	2.5 Nm	25 lb-in	60 lb-in	6.8 Nm	60 lb-in	160 lb-in	18.2 Nm	160 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CTS35U		50	CTS 50U		20	CTS95U		10
End Plate		EP35U		50						
Partition Plate		PP35U		50						
Separator Plate		SP25/35U		50						
Mounting rail		CA501		50 m	CA501		50 m	CA501		50 m
		CA701		50 m	CA701		50 m	CA701		50 m
		CA701-15		50 m	CA701-15		50 m	CA701-15		50 m
End Clamp		CA702		50	CA702		50	CA702		50
		CA802		50	CA802		50	CA802		50
Insulated Pre-assembled Shorting Links	2 Way	CA746/2		100						
	3 Way	CA746/3		50						
	4 Way	CA746/4		50						
	10 Way	CA746/10		10						
	100 Way									
Insulated Comb Type Shorting Links	2 Way	-								
	3 Way	-								
	4 Way	-								
	10 Way	-								
Marking Tags	K-type	CA509/K15		100	CA509/K20		100	CA509/K25		100
	Continuous	CA509/K9F		10						

Multiple Connection Terminal Blocks

TECHNA'S CMC multiple connection terminal blocks are a reliable solution for the problem posed by multiple connection in wiring systems. Conventionally, for multiple connections, either wires are looped or cross connecting aids are used.

CMC terminal blocks provide.

- Multiple connection points in a single terminal block.
- Further multiplication of connections through bridging points in the terminal blocks.

Note:

Comb links can only be used in the upper level clamping unit of the terminal block.



Model		Ttec CMC1-2			Ttec CMC2-2		
Terminal Block Pitch		6 mm			6 mm		
Terminal Width H x W H x W		47 x 46.5mm			51.5 x 65 mm		
Conn.		0.5 to 4 mm ²			0.5 to 4 mm ²		
Possibility		0.5 to 6 mm ²			0.5 to 6 mm ²		
Stripping Length		9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		3 screw clamps and 1 tapped hole for cross connection			4 screw clamps and 2 tapped holes for cross connection		
Certification	CE						
Wire Range		22-10 AWG	0.5-4 mm ²	22-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating		600 V	630 V	600 V	600 V	630 V	600 V
Rated Impulse Voltage/Pollution Degree			6 kV/3			6 kV/3	
Current Rating		35 A	32 A	35 A	35 A	32 A	35 A
Torque		7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in

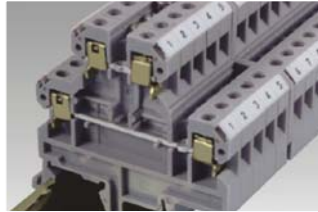
		Cat No.		Std. Pack		
Terminal Block		CMC1-2	100	CMC2-2	50	
End Plate		EPCMC1-2	50	EPCMC2-2	50	
Isolation Partition						
Separator Plate						
Mounting rail			CA501	50 m	CA501	50 m
			CA701	50 m	CA701	50 m
			CA701-15	50 m	CA701-15	50 m
End Clamp			CA702	50	CA702	50
			CA802	50	CA802	50
Insulated Pre-assembled Shorting Links	2 Way		CA742/2	100	CA742/2	100
	3 Way		CA742/3	50	CA742/3	50
	4 Way		CA742/4	50	CA742/4	50
	10 Way		CA742/10	10	CA742/10	10
	100 Way		CA742/100	10	CA742/100	10
Insulated Comb Type Shorting Links	2 Way		CA713/2	100	CA713/2	100
	3 Way		CA713/3	100	CA713/3	100
	4 Way		CA713/4	100	CA713/4	100
	10 Way		CA713/10	50	CA713/10	50
Marking Tags	K-type		CA509/K6	100	CA509/K6	100
	Continuous		CA509/K9F	10	CA509/K9F	10







Double Level Terminals







Techna Double Level Terminals are the answer to high wiring density problems posed by certain unavoidable wiring arrangements.

- Double Wiring density available without extension of mousing rails.
- Interconnection/shorting can be done at both levels.
- Marking/Identification by marking tags possible at both levels.
- Marking facility at the centre of the terminal.

Ttec CDL4U (IS) internally Shorted Double Level Terminals are useful for distribution applications as they feature internal shorting links that connect both levels together.



Model	Ttec CDL4U	Ttec CDL4U(1.5)				
Terminal Block Pitch	5 mm	6 mm				
Terminal Width H x W	54 x 55.5 mm	54 x 55.5 mm				
Conn. Stranded Wire	0.5 to 4 mm ²	0.5 to 4 mm ²				
Possibility Solid Wire	0.5 to 6 mm ²	0.5 to 6 mm ²				
Stripping Length	9 mm	9 mm				
Insulation Material	Polyamide 6.6	Polyamide 6.6				
Type of Connection	4 screw clamps and 2 tapped hole for cross connection	2 screw clamps and 1 tapped hole for cross connection				
Certification	  	  				
Wire Range	22-10 AWG	0.5-4 mm ²	25-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating	300 V	400 V	300 V	300 V	400 V	600 V
Rated Impulse Voltage/Pollution Degree		4 kV/3			4 kV/3	
Current Rating	35 A	32 A	35 A	35 A	32 A	35 A
Torque	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in

		Cat No.	Std. Pack	Cat No.	Std. Pack
Terminal Block		CDL4U	100	CTS4UN	100
End Plate		EPCDL4U	50	EP2.5/4UN	50
Isolation Partition					
Separator Plate		SPCDL4U	100	SP2.5/4UN	100
Mounting rail		CA501	50 m	CA501	50 m
		CA701	50 m	CA701	50 m
		CA701-15	50 m	CA701-15	50 m
End Clamp		CA702	50	CA702	50
		CA802	50	CA802	50
		CA202	50	CA202	50
Insulated Pre-assembled	2 Way	CA747/2	100	CA742/2	100
	3 Way	CA747/3	50	CA742/3	50
Shorting Links	4 Way	CA747/4	50	CA742/4	50
	10 Way	CA747/10	10	CA742/10	10
	100 Way				
Insulated Comb Type Shorting Links	2 Way	CA714/2	100	CA714/2	100
	3 Way	CA714/3	100	CA714/3	100
	4 Way	CA714/4	100	CA714/4	100
	10 Way	CA714/10	50	CA714/10	50
Marking Tags	K-type	CA509/K2	100	CA509/K2	100

Disconnect and Test Terminal Blocks

For measuring, control and regulatory circuits, disconnect and test terminal blocks are an ideal choice. The terminal blocks provide clear functional advantage for devices having utility instruments and associated transformers.

Techna offers the following type of disconnect and test terminal blocks.

- CDTTU

Disconnection is achieved by means of slide link operated with a screw driver

- CKT4U

Disconnection is achieved by lifting the lever operating a knife contact.

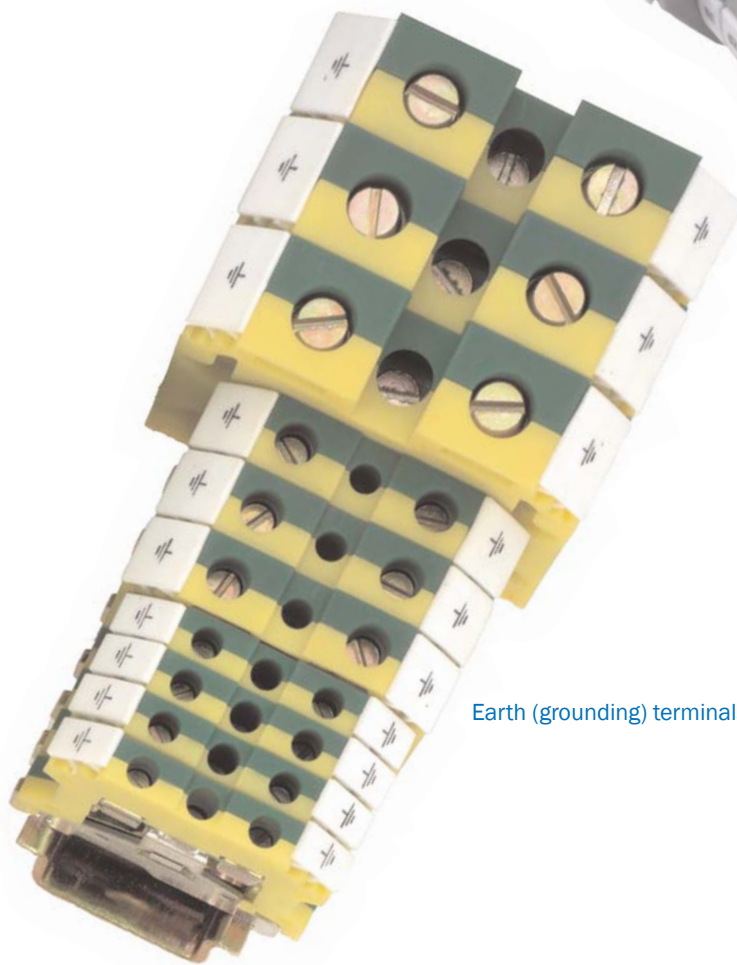


Model		Ttec CDTTU			Ttec CKT4U		
Terminal Block Pitch		8 mm			6 mm		
Terminal Width		57 x 63 mm			46 x 46.3 mm		
Conn. Possibility	Standed wire	1.5 to 6 mm ²			0.5 to 4 mm ²		
	Solid Wire	1.5 to 10 mm ²			0.5 to 6 mm ²		
Stripping Length		12 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 screw clamp connections			2 screw clamp connections		
Certification							
Wire Range		16-8 AWG	1.5-6 mm ²	16-8 AWG	22-10 AWG	0.5-1.5 mm ²	22-12 AWG
Voltage Rating		600 V	750V	600 V	600V	800V	600 V
Rated Impulse Voltage/Pollution Degree		8KV / 3			8 KV / 3		
Current Rating		41 A	41 A	41 A	16 A	16 A	16 A
Torque		14 lb-in	1.2 Nm	14 lb-in	7 lb-in	1.5 Nm	7 lb-in

		Cat No.		Std. Pack	
Terminal Block		CDTTU	50	CKT4U	100
End Plate		EPCDTTU	50	EPCKT4U	50
Partition Plate					
Separator Plate					
Mounting rail		CA501	50 m	CA501	50 m
		CA701	50 m	CA701	50 m
		CA701-15	50 m	CA701-15	50 m
End Clamp		CA702	50	CA702	50
		CA802	50	CA802	50
Insulated Pre-assembled Shorting Links	2 Way				
	3 Way				
	4 Way				
	10 Way				
	100 Way				
Insulated Comb Type Shorting Links	2 Way	CA710/2	100	CA712/2	100
	3 Way	CA710/3	100	CA712/3	100
	4 Way	CA710/4	100	CA712/4	100
	10 Way	CA710/10	50	CA712/10	50
Marking Tags		CA509/K8	100	CA509/K6	100



Spring clamp terminals, page 180



Earth (grounding) terminals, page 166


















Offset Double Level Terminal Blocks

TECHNA Offset Double Level Terminal blocks are like the Techna CDL Double level terminals providing separate connections at two different levels.

In the ODL terminal block:

- The top level is offset from the bottom level by half the thickness of the terminal block.
- Bottom level screws have better access for tightening or loosening
- Inter connection/shorting can be done at both levels.
- Marking tags on the bottom level are not obstructed by wires connected at top level.
- We recommend you use a Spacer/ End Plate at both ends of an assembled set of ODL terminal blocks to create a flat alignment that will enable effective use of end clamps.

The **ODL4UA** terminal block is a modified version of ODL4U, and allows the terminal blocks to be stacked to form a multiple terminal block assembly.

Model		Ttec ODL4U			Ttec ODL4UA		
Terminal Block Pitch		6 mm			6 mm		
Terminal Width H x W		63 x 68mm			63 x 68 mm		
Conn.	Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²		
Possibility	Solid Wire	0.5 to 6 mm ²			0.5 to 6 mm ²		
Stripping Length		9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		4 screw clamps and 2 tapped holes for cross connection			4 screw clamps and 2 tapped holes for cross connection		
Certification	CE						
Wire Range		22-10 AWG	0.5-4 mm ²	25-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating		600 V	630V	600 V	600 V	630V	600 V
Rated Impulse Voltage/Pollution Degree			6kV/3			6 kV/3	
Current Rating		35 A	32 A	35 A #	35 A	25 A	35 A #
Torque		7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		ODL4U		50	ODL4UA		50
End Plate	Front Side			EP0DL4U	50	EP0DL4UA	50
	Back Side			EP10DL4U	50	EP10DL4UA	50
Isolation Partition		EP10DL4U		50	EP10DL4U	50	
Separator Plate							
Mounting rail				CA501	50 m	CA501	50 m
				CA701	50 m	CA701	50 m
				CA701-15	50 m	CA701-15	50 m
End Clamp				CA702	50	CA702	50
				CA802	50	CA802	50
				CA202	50	CA202	50
				CA747	50	CA747	50
Insulated	2 Way			CA747/2	100	CA747/2	100
	3 Way			CA747/3	50	CA747/3	50
Pre-assembled	4 Way			CA747/4	50	CA747/4	50
	Shorting Links	10 Way			CA747/10	10	CA747/10
	100 Way						
Insulated	2 Way			CA714/2	100	CA714/2	100
	3 Way			CA714/3	100	CA714/3	100
	4 Way			CA714/4	100	CA714/4	100
	Shorting Links	10 Way			CA714/10	50	CA714/10
Marking Tags	K-type			CA509/K6	100	CA509/K6	100
	Continuous			CA509/K9F	10	CA509/K9F	10



Triple Level Terminals

TECHNA Triple Level Terminal Blocks are an ideal choice for control systems where sensors and actuator applications are involved. The simplified three level connections greatly increase the available wiring density.

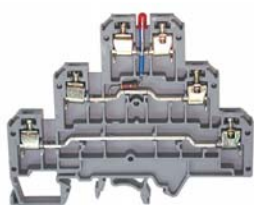
IN THE CTL2.5UH Terminal the top level provides connection points for signal cables while the middle & bottom level connecting points are used for positive and negative potentials.



In applications where switching indication is required, choice of CTL2.5UHL & CTL2.5UL terminals blocks with built-in LED indicators are available.

Besides the conventional white colour which is recommended for effective identification, marking tags are also available in blue and red.

* Variations in LED Indication are available on request.

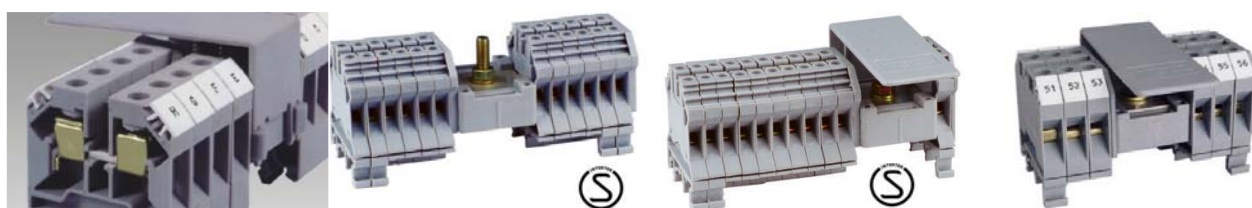
Model		Ttec CTL2.5U			Ttec CTL2.5UH		
Terminal Block Pitch		6 mm			6 mm		
Height x Width		67 x 84 mm			67 x 61 mm		
Conn. Possibility	Stranded Wire	0.5 to 2.5 mm ²			0.5 to 2.5 mm ²		
	Solid Wire	0.5 to 4 mm ²			0.5 to 4 mm ²		
Stripping Length		9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		6 screw clamps and 3 tapped holes for cross connection			4 screw clamps and 3 tapped holes for cross connection		
Switching Indication *							
Certification	CE						
Rated Cross Section		22-12 AWG	0.5-2.5 mm ²	24-12 AWG	22-12 AWG	0.5-2.5 mm ²	24-12 AWG
Voltage Rating		300 V	500V	300 V	300 V	500V	300 V
Rated Impulse Voltage/Pollution Degree		6kV/3			6kV/3		
Current Rating		25 A	24 A	25 A	25 A	24 A	25 A
Torque		4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CTL2.5U		50	CTL2.5UH		50
End Plate			EPCTL2.5U	50	EPCTL2.5UH		50
Mounting rail			CA501	50 m	CA501		50 m
			CA701	50 m	CA701		50 m
			CA701-15	50 m	CA701-15		50 m
End Clamp			CA702	50 m	CA702		50
			CA802	50 m	CA802		50
			CA202	50 m	CA202		50
Insulated Pre-assembled Shorting Links	2 Way		CA742/2	100	CA742/2		100
	3 Way		CA742/3	50	CA742/3		50
	4 Way		CA742/4	50	CA742/4		50
	10 Way		CA742/10	10	CA742/10		10
	100 Way		CA742/100	10	CA742/100		10
Insulated Comb Type Shorting Links	2 Way		CA715/2	100	CA715/2		100
	3 Way		CA715/3	100	CA715/3		100
	4 Way		CA715/4	100	CA715/4		100
	10 Way		CA715/10	50	CA715/10		50
Marking Tags			CA509/K2	100	CA509/K2		100



Ttec CTL2.5UL			Ttec CTL2.5UHL				
6 mm			6 mm				
67 x 84 mm			67 x 61 mm				
0.5 to 2.5 mm ²			0.5 to 2.5 mm ²				
0.5 to 4 mm ²			0.5 to 4 mm ²				
9 mm			9 mm				
Polyamide 6.6			Polyamide 6.6				
6 screw clamps and 2 tapped hole for cross connection			4 screw clamps and 2 tapped hole for cross connection				
12 V dc			12 V dc				
							
24-12 AWG	0.5-2.5 mm ²	24-12 AWG	24-12 AWG	0.5-2.5 mm ²	24-12 AWG		
300 V	500V	300 V	300 V	500V	300 V		
	6kV/3			6kV/3			
25 A	24 A	25 A	25 A	24 A	25 A		
4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in		
Cat No.	Std. Pack	Cat No.	Std. Pack				
CTL2.5UL	50	CTL2.5UHL	50				
EPCTL2.5U	50	EPCTL2.5UH	50				
CA501	50 m	CA501	50 m				
CA701	50 m	CA701	50 m				
CA701-15	50 m	CA701-15	50 m				
CA702	50	CA702	50				
CA802	50	CA802	50				
CA202	50	CA202	50				
CA742/2	100	CA742/2	100				
CA742/3	50	CA742/3	50				
CA742/4	50	CA742/4	50				
CA742/10	10	CA742/10	10				
CA742/100	10	CA742/100	10				
CA715/2	100	CA715/2	100				
CA715/3	100	CA715/3	100				
CA715/4	100	CA715/4	100				
CA715/10	50	CA715/10	50				
CA509/K2	100	CA509/K2	100				

Distribution Blocks

TECHNA CDB Compact Distribution Blocks are an ideal choice for a simplified distribution system. The assembly is suitable for universal mounting. The system features a bolt connection at the centre for the incoming cable and screw clamp connections for the individual out going conductors. This not only provides easy connection points but also ensures perfect continuity for distribution. **Protective shield effectively shrouds the incoming connection at centre.**



Model		Ttec CDB4			Ttec CDB4(I)			Ttec CDB6		
Terminal Block Pitch		6 mm			6 mm			8 mm		
Conn. Possibility	Input	1.5 to 16 sq. mm			1.5 to 16 sq. mm			6 to 25 sq. mm		
	Output	0.5 to 4 mm ² / 0.5 to 6 mm ²			0.5 to 4 mm ² / 0.5 to 6 mm ²			1.5 to 6 mm ² / 1.5 to 10 mm ²		
(Stranded Wire/Solid Wire)										
Stripping Length		9 mm			9 mm			12 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	Input	1 Screw bolt connection for ring lugs (Nut Driver Operated)			1 Screw bolt connection for ring lugs (Nut Driver Operated)			1 Screw bolt connection for ring lugs (Nut Driver Operated)		
	Output	* Screw clamp connection (Screw Driver Operated)			* Screw clamp connection (Screw Driver Operated)			* Screw clamp connection (Screw Driver Operated)		
Certification										
Rated Cross Section	Input	10-8 AWG	6-16 mm ²	10-8 AWG	10-8 AWG	6-16 mm ²	10-8 AWG	10-6 AWG	6-25 mm ²	10-2 AWG
	Output	22-12 AWG	0.5-4 mm ²	22-12 AWG	22-12 AWG	0.5-4 mm ²	22-12 AWG	22-8 AWG	1.5-6 mm ²	22-8 AWG
Voltage Rating		600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V
Rated Impulse Voltage/Pollution Degree		8kV/3			8kV/3			8kV/3		
Current Rating	max. input current	50 A		50 A	50 A		50 A	95 A		100 A
	max. out current per side	25 A	32 A	25 A	25 A	32 A	25 A	50 A	41 A	50 A
Torque	Input	26 lb-in	2.0 Nm	26 lb-in	26 lb-in	2.0 Nm	26 lb-in	25 lb-in	3 Nm	35 lb-in
	Output	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	9 lb-in	0.8 Nm	14 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block NOTE: example CDB4/8 CDB = Compact Distribution Block 4 = size of terminal (mm ²)=CTS4UN 8 = number of outputs points (= number of terminal blocks x 2)	CDB4/4		10	CDB4/4(2)	10	CDB6/8	10			
	CDB4/8		10	CDB4/6(2)	10	CDB6/12	10			
	CDB4/12		10	CDB4/8(2)	10	CDB6/16	10			
	CDB4/16		10	CDB4/10(2)	10					
	CDB4/20		10	CDB4/12(2)	10					
	CDB4/24		10	CDB4/20(2)	10					
			CDB4/22(2)	10						
Mounting rail		CA501	50 m	CA501	50 m	CA501	50 m			
		CA701	50 m	CA501	50 m	CA501	50 m			
		CA701-15	50 m	CA701-15	50 m	CA701-15	50 m			
End Clamp		CA702	50	CA702	50	CA702	50			
		CA802	50	CA802	50	CA802	50			
Marking Tags K Type		CA509/K6	100	CA509/K6	100	CA509/K8	100			
		Cat No.	HxWxT(mm)	Connections	Cat No.	HxWxT(mm)	Connections	Cat No.	HxWxT(mm)	Connections
		CDB4/4	45x43x43.8	4	CDB4/4(2)	45x43x52	4	CDB6/8	43x48x64	8
		CDB4/8	45x43x55.8	8	CDB4/6(2)	45x43x58	6	CDB6/12	43x48x80	12
		CDB4/12	45x43x67.8	12	CDB4/8(2)	45x43x64	8	CDB6/16	43x48x96	16
		CDB4/16	45x43x80	16	CDB4/10(2)	45x43x70	10			
		CDB4/20	45x43x96	20	CDB4/12(2)	45x43x76	12			
		CDB4/24	45x43x108	24	CDB4/20(2)	45x43x100	20			
					CDB4/22(2)	45x43x106	22			

- Sum of total outgoing currents should not exceed maximum permissible incoming current.
- For minimum power loss (heat dissipation), connection of the higher outgoing currents should be done through the terminal nearest the incoming connection.

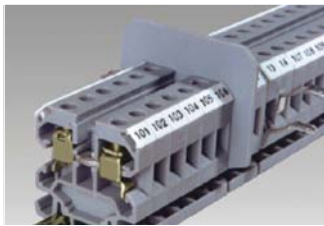
CDB4 (1) Compact Distribution Blocks are recommended for applications where input connection point is located at one end of the centre.



Ttec CDB10			Ttec CMDDB4			Ttec CMDDB6			Ttec CMDDB10		
10 mm			6 mm			8 mm			10 mm		
10 to 35 sq. mm											
1.5 to 10 mm ² / 1.5 to 16 mm ²			0.5 to 4 mm ² / 0.5 to 6 mm ²			1.5 to 6 mm ² / 1.5 to 10 mm ²			1.5 to 10 mm ² / 1.5 to 16 mm ²		
12 mm			9 mm			12 mm			12mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
1 Screw flat connection for ring lugs (Nut Driver Operated)											
* Screw clamp connection (Screw Driver Operated)			* Screw clamp connection (Screw Driver Operated)			* Screw clamp connection (Screw Driver Operated)			* Screw clamp connection (Screw Driver Operated)		
7-2 AWG	10-35 mm ²	8-1/0 AWG									
15-7 AWG	1.5-10 mm ²	20-6 AWG	22-12 AWG	0.5-4 mm ²	22-12 AWG	22-8 AWG	1.5-6 mm ²	22-8 AWG	15-7 AWG	1.5-10 mm ²	20-6 AWG
600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V
	8kV/3			8kV/3			8kV/3			8kV/3	
125 A		130 A									
65 A	57 A	65 A	25 A	32 A	25 A	50 A	41 A	50 A	65 A	57 A	65 A
53 lb-in	6 Nm	53 lb-in	7 lb-in	0.5 Nm	7 lb-in	9 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in
14 lb-in	1.2 Nm	14 lb-in									
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack	
CDB10/8	10		CMDB4/4	10		CMDB6/4	10		CMDB10/4	10	
CDB10/12	10		CMDB4/6	10		CMDB6/6	10		CMDB10/6	10	
CDB10/16	5		CMDB4/8	10		CMDB6/8	10		CMDB10/8	10	
			CMDB4/20	10		CMDB6/20	5		CMDB10/12	10	
CA501	50 m		CA501	50 m		CA501	50 m		CA501	50 m	
CA701	50 m		CA701	50 m		CA701	50 m		CA701	50 m	
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA701-15	50 m	
CA702	50		CA702	50		CA702	50		CA702	50	
CA802	50		CA802	50		CA802	50		CA802	50	
CA509/K10	100		CA509/K6	100		CA509/K8	100		CA509/K10	100	
Cat No.	HxWxT(mm)	Connections	Cat No.	HxWxT(mm)	Connections	Cat No.	HxWxT(mm)	Connections	Cat No.	HxWxT(mm)	Connections
CDB10/8	43x48x72	8	CMDB4/4	45x43x13.5	4	CMDB6/4	43x48x17.5	4	CMDB10/4	45x43x21.5	4
CDB10/12	43x48x92	12	CMDB4/6	45x43x19.5	6	CMDB6/6	43x48x25.5	6	CMDB10/6	45x43x31.5	6
CDB10/16	43x48x112	16	CMDB4/8	45x43x25.5	8	CMDB6/8	43x48x33.5	8	CMDB10/8	45x43x41.5	8
			CMDB4/20	45x43x61.5	20	CMDB6/20	43x48x81.5	20	CMDB10/20	45x43x101.5	20

Micro Terminals

TECHNA Miniature Micro Terminals, besides offering the obvious space advantage as required by certain wiring systems, are functionally as versatile as standard 'U' series terminals. They are modular in construction & can be mounted on standard Din 15 (15 x 5mm) rails.



Model		Ttec CMT4			Ttec CMT4S			Ttec CMT4SU		
Terminal Block Pitch		6 mm			6 mm			6 mm		
Height x Width		29 x 27 mm			29 x 46 mm			29 x 35.5 mm		
Conn.	Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²			Up to 1.5 mm ²		
Possibility	Solid Wire	0.5 to 6 mm ²			0.5 to 4 mm ²					
Stripping Length		9 mm			9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 screw clamps and 1 tapped hole for cross connection			2 screw clamps, 2 solder points & 1 tapped hole for cross connection			2 uneven solder points and 1 tapped hole for cross connection		
Certification										
Rated Cross Section		22-10 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	Up to 1.5 mm ²	25-12 AWG	22-14 AWG	Up to 1.5 mm ²	22-14 AWG
Voltage Rating		300 V	400V	300 V	300 V	160V	300 V	300 V	160V	300 V
Rated Impulse Voltage/Pollution Degree			4kV/3			1.5kV/3			1.5kV/3	
Current Rating		35 A	32 A	35 A	25 A	15 A	25 A	15 A	15 A	#15 A
Torque		7 lb-in	0.5 Nm	6 lb-in	7 lb-in	0.5 Nm	7 lb-in	#Limited VA rating of 10 A maximum for general industrial use		
		Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CMT4		100	CMT4S		100	CMT4SU		100
End Plate		EPCMT4		50	EPCMT4		50	EPCMT4		50
Isolation Partition		PPCMT4		50	PPCMT4		50	PPCMT4		50
Separator Plate										
Mounting rail		CA601		50 m	CA601		50 m	CA601		50 m
End Clamp		CA602		50	CA602		50	CA602		50
Insulated	2 Way	CA747/2		100	CA747/2		100	CA747/2		100
	3 Way	CA747/3		50	CA747/3		50	CA747/3		50
Pre-assembled	4 Way	CA747/4		50	CA747/4		50	CA747/4		50
	10 Way	CA747/10		10	CA747/10		10	CA747/10		10
Shorting Links	100 Way									
Insulated	2 Way	CA714/2		100	CA714/2		100			
	3 Way	CA714/3		100	CA714/3		100			
Comb Type	4 Way	CA714/4		100	CA714/4		100			
	10 Way	CA714/10		50	CA714/10		50			
Shorting Links										
Marking Tags		CA509/K2		100	CA509/K2		100	CA509/K2		100

Single Level Safety Fuse Link Terminals

CERTAIN electrical & control systems require protection by fuses. Techna offers fuse terminals with built-in safety fuse links. The terminal has a hinged carrier that has a specially designed space for cartridge type glass fuses. The fuse can be engaged or disengaged by the movement of the carrier.

Choice of Safety Fuse terminals with offline indication is available [CSFL4U(L), CAFL4UL, CAFL4UN].

A specially designed built in circuit gives LED indication in the event of a fuse blow out. This enables quick identification of a fault.

NOTE: that the application of indicator terminals must take into account the residual current flow.

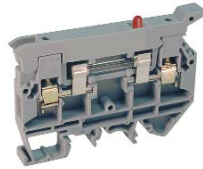
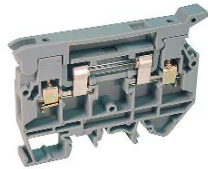
For leakage currents see table on page 165.

NOTE: fuse terminals are supplied without fuses.

IMPORTANT: the disconnecting device (hinged carrier) is not suitable for interrupting the load. The supply must be switched off before operating the hinged carrier.



Model		Ttec CSFL4U			Ttec CSFL4U(L)		
Terminal Block Pitch		8 mm			8 mm		
Height x Width		43 x 58 mm			43 x 58 mm		
Con. Poss	Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²		
	Solid Wire	0.5 to 4 mm ²			0.5 to 4 mm ²		
Stripping Length		9.5 mm			9.5 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 screw clamps with safety connection			2 screw clamps equipped with safety connection		
# Fuse Size		5 x 20 / 5 x 25 mm			5 x 20 / 5 x 25 mm		
Fusion Indication					24 V AC / DC, 48 V AC / DC 110V AC / DC, 220V AC / DC		
Certification							
Rated Cross Section		22-10 AWG	0.5-4 mm ²	22-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating		600 V	500V	600 V	600 V	500V	600 V
Rated Impulse Voltage/Pollution Degree		4 kV/3			4 kV/3		
Current Rating		6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A
Torque		7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
		Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack
* Terminal Block		CSFL4U	100	CSFL4U(L)			
(Prefix Type Cat. No. before Voltage rating for indicator terminals)				24V A.C / D.C	50	48V A.C / D.C	50
				110V A.C/D.C	50	220V A.C/D.C	50
				440V A.C	50		
End Plate			EPCSFL4U	50	EPCSFL4U	50	
Partition Plate			PPCSFL4U	50	PPCSFL4U	50	
Mounting rail			CA501	50 m	CA501	50 m	
			CA701	50 m	CA701	50 m	
			CA701-15	50 m	CA701-15	50 m	
End Clamp			CA702	50	CA702	50	
			CA802	50	CA802	50	
Insulated Comb Type			CA711/2	100	CA711/2	100	
Shorting Links			CA711/3	100	CA711/3	100	
			CA711/4	100	CA711/4	100	
			CA711/10	50	CA711/10	50	
Marking Tags			CA509/K8	100	CA509/K8	100	
			CA509/K2	100	CA509/K2	100	
# Fuse Current rating & Size			0.1 A			0.1 A	
			0.5 A			0.5 A	
			0.63 A			0.63 A	
			1 A			1 A	
			2 A			2 A	
			3 A			3 A	
			4 A			4 A	
			5 A			5 A	
			6 A			6 A	
			6.3 A			6.3 A	
*Terminal Block /WF –Without Fuse		CSFL4U/WF	100	CSFL4U(L)/WF	50	24V A.C / D.C	50
				48V A.C / D.C	50	110V A.C / D.C	50
				220V A.C / D.C	50	440V A.C	50



Ttec CSFL6U			Ttec CAFL4U			Ttec CAFL4UL			Ttec CAFL4UN		
8 mm			9 mm			9 mm			9 mm		
60 x 43 mm			50 x 72 mm			50 x 72 mm			50 x 72 mm		
1.5 to 6 sq. mm			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
1.5 to 10 sq. mm			0.5 to 6 mm ²			0.5 to 6 mm ²			0.5 to 6 mm ²		
9.5 mm			9.5 mm			9.5 mm			9.5 mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
2 screw clamps equipped with safety connection			2 screw clamps equipped with safety connection			2 screw clamps equipped with safety connection			2 screw clamps equipped with safety connection		
5 x 20 / 5 x 25 mm			1/4" x 1 1/4" mm			1/4" x 1 1/4" mm			5 x 20/5 x 25 mm		
						24 V AC / DC, 48 V AC / DC 110V AC / DC, 220V AC / DC			110V AC/DC, 300V AC		
22-8 AWG	1.5-6 mm ²	22-8 AWG	24-10 AWG	0.5-4 mm ²	22-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG
300 V	500V	300 V	600 V	500V	600 V	600 V	500V	600 V	600 V	500V	600 V
	4 kV/3			4 kV/3			4 kV/3			4 kV/3	
10 A	6.3 A	10 A	12 A	6.3 A	16 A	12 A	6.3 A	12 A	12 A	6.3 A	12 A
14 lb-in	0.8 Nm	14 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack	
CSFL6U	50		CAFL4U	25		CSFL4UL			CSFL4UN		
						24V A.C / D.C	25		110V A.C / D.C	25	
						48V A.C / D.C	25		300V A.C	25	
						110V A.C / D.C	25				
						220V A.C / D.C	25				
EPCSFL6U	50		EPCSFL4U	50		EPCAFL4U	50		EPCSFL4U	50	
CA501	50 m		CA501	50 m		CA501	50 m		CA501	50 m	
CA701	50 m		CA701	50 m		CA701	50 m		CA701	50 m	
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA701-15	50 m	
CA702	50		CA702	50		CA702	50		CA702	50	
CA802	50		CA802	50		CA802	50		CA802	50	
CA710/2	100		CA716/2	100		CA716/2	100		CA716/2	100	
CA710/3	100		CA716/3	100		CA716/3	100		CA716/3	100	
CA710/4	100		CA716/4	100		CA716/4	100		CA716/4	100	
CA710/10	50		CA716/10	50		CA716/10	50		CA716/10	50	
CA509/K8	100		CA509/K9	100		CA509/K9	100		CA509/K9	100	
0.1 A			0.1 A			0.1 A			0.1 A		
0.5 A			0.5 A			0.5 A			0.5 A		
0.63 A			0.63 A			0.63 A			0.63 A		
1 A			1 A			1 A			1 A		
2 A			2 A			2 A			2 A		
3 A			3 A			3 A			3 A		
4 A			4 A			4 A			4 A		
5 A			5 A			5 A			5 A		
6 A			6 A			6 A			6 A		
6.3 A			6.3 A			6.3 A			6.3 A		
CSFL6U/WF	50		CSFL4U/WF	25		CSFL4U/WF			CSFL4UN/WF		
						24V A.C / D.C	25		110 V A.C / D.C	25	
						48 V A.C / D.C	25		300 V A.C	25	
						110 V A.C / D.C	25				
						220 V A.C / D.C	25				

Double Level Safety Fuse Link Terminals

TECHNA offers **DDFL4U** Double Level Fuse terminals with a fuse link on the top level & a separate feed through terminal at the lower level. This eliminates the need for an additional feed through terminal. The terminal block has a moving type hinged carrier on the top level that has a specially designed space for cartridge type glass fuse of size 5 x 20/5 x 25mm.

The **DDFL4U(E)** has a specially designed built-in circuit which gives LED indication in the event of a fuse blow out at the top level. The terminal block provides a separate feed through connection at the lower level.

DDFL4ULR is a modified version of **DDFL4U** terminal block where two equi-potential connection points are available on both sides of the terminal block.

Cross-connection at the lower level can be achieved with the aid of shorting links/sleeves.







NOTE: fuse terminals are supplied without fuses.

IMPORTANT: the disconnecting device (hinged carrier) is not suitable for interrupting the load. The supply must be switched off before operating the hinged carrier.



Model		Ttec DDFL4U			Ttec DDFL4ULR			
Terminal Block Pitch		8 mm			8 mm			
Height x Width		66 x 88 mm			66 x 88 mm			
Conn.	Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²			
	Possibility Solid Wire	0.5 to 6 mm ²			0.5 to 6 mm ²			
Stripping Length		9.5 mm			9.5 mm			
Insulation Material		Polyamide 6.6			Polyamide 6.6			
Type of Connection		4 screw clamps equipped with safety connection			4 screw clamps equipped with safety connection			
Fusion indication								
Certification								
Rated Cross Section		22-12 AWG	0.5-4 mm ²	22-10 AWG	22-10 AWG	0.5-4 mm ²	22-10 AWG	
Voltage Rating		600 V	500V	600 V	600 V	500V	600 V	
Rated Impulse Voltage/Pollution Degree		4KV/3			4KV/3			
Current	Top level	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	
	Bottom level	25 A	32 A	35 A				
Torque		7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	
		Cat No.		Std. Pack	Cat No.		Std. Pack	
Terminal Block	With fuse	DDFL4U		20	DDFL4ULR		20	
	Without fuse	DDFL4U/WF		20	DDFL4ULR/WF		20	
End Plate			EPDDFL4U		25	EPDDFL4U		25
Mounting rail			CA501		50 m	CA501		50 m
			CA701		50 m	CA701		50 m
			CA701-15		50 m	CA701-15		50 m
End Clamp			CA702		50	CA702		50
			CA802		50	CA802		50
			CA202		50	CA202		50
			CA749/2		100	CA740/2		100
Insulated Pre-assembled Shorting Links	2 Way	CA749/3		50	CA740/3		50	
	3 Way	CA749/4		50	CA740/4		50	
	4 Way	CA749/10		10	CA740/10		10	
	100 Way							
Insulated Comb Type Shorting Links	2 Way	CA711/2		100	CA711/2		100	
	3 Way	CA711/3		100	CA711/3		100	
	4 Way	CA711/4		100	CA711/4		100	
	10 Way	CA711/10		50	CA711/10		50	
Marking	On Terminal	CA509/K8		100	CA509/K8		100	
Tags	On Fuse Carrier	CA509/K2		100	CA509/K2		100	



Ttec DDFL4U(E)			Ttec DDFL4U(E)LR		
8 mm			8 mm		
66 x 88 mm			66 x 88 mm		
0.5 to 4 mm ²			0.5 to 4 mm ²		
0.5 to 6 mm ²			0.5 to 6 mm ²		
9.5 mm			9.5 mm		
Polyamide 6.6			Polyamide 6.6		
4 screw clamps equipped with safety connection			4 screw clamps equipped with safety connection		
24 V AC / DC, 48V AC / DC 110V AC / DC, 220V AC / DC			24 V AC / DC, 48V AC / DC 110V AC / DC, 220V AC / DC		
					
22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG
600 V	500V	600 V	600 V	500V	600 V
	4KV/3			4KV/3	
6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A
25 A	32 A	35 A			
7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat No.	Std. Pack	Cat No.	Std. Pack		
DDFL4U(E)		DDFL4U(E)LR			
24V A.C / D.C	20	24V A.C / D.C	20		
48V A.C / D.C	20	48V A.C / D.C	20		
110V A.C / D.C	20	110V A.C / D.C	20		
220V A.C / D.C	20	220V A.C / D.C	20		
440 V A.C	20	440 V A.C	20		
EPDDL4U	25	EPDDL4U	25		
CA501	50 m	CA501	50 m		
CA701	50 m	CA701	50 m		
CA701-15	50 m	CA701-15	50 m		
CA702	50	CA702	50		
CA802	50	CA802	50		
CA202	50	CA202	50		
CA749/2	100	CA740/2	100		
CA749/3	50	CA740/3	50		
CA749/4	50	CA740/4	50		
CA749/10	10	CA740/10	10		
CA711/2	100	CA711/2	100		
CA711/3	100	CA711/3	100		
CA711/4	100	CA711/4	100		
CA711/10	50	CA711/10	50		
CA509/K8	100	CA509/K8	100		
CA509/K2	100	CA509/K2	100		

Leakage Currents for Fuse Terminals with LED Indicator Circuits

CSFL4U (L) / DDFL4U (E)			
Actual Leakage Current			
Circuit A.C./D.C.	Resistor Used	D.C. mA	A.C. mA
12 V	3.3 K	2.89	1.67
24 V	5.6 K	3.84	2.07
48 V	15 K	3.03	1.74
110 V	33 K	3.3	1.97
220 V	150 K	1.94	1.58
440 V.A.C.	330 K	-	0.93

Grounding (earth) Terminals

Techna Grounding (Earth) Terminal Blocks provide:

- Very low earth bonding resistance.
- Green/yellow earth indication colour.

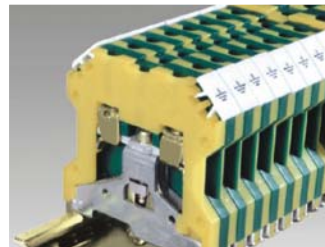
Additionally the terminals have marking recesses provided for identification with marking tags.

The grounding terminals blocks can be mounted along with other terminal blocks on the same rail. This eliminates the need for a separate bus bar.

Special features of CGT Terminal Blocks are:

- Versatile tin-plated foot in brass for grounding to achieve very low bonding resistance.
- Vibration proof grounding can easily be achieved by operating the central screw.
- High torque clamping yokes will easily accept any types of wires.

These terminal blocks comply to **EN 500019**.



Model		Ttec CGT4N		
Terminal Block Pitch		6 mm		
Height x Width		45.4 x 54.2 mm		
Conn. Possibility	Stranded Wire	0.5 to 4 mm ²		
	Solid Wire	0.5 to 6 mm ²		
Stripping Length		9 mm		
Insulation Material		Polyamide 6.6		
Type of Connection		2 screw clamps and grounding through central screw		
Certification				
Rated Cross Section		22-10 AWG	0.5-4 mm ²	22-12 AWG
Voltage Rating		800V		
Rated Impulse Voltage/Pollution Degree		8kV/3		
Current Rating		32A		
Torque		7 lb-in	0.5 Nm	7 lb-in

Cat No.

Std. Pack

Terminal Block		CGT4N	50
End Plate			
Mounting rail		CA701	50 m
		CA701-15	50 m
Marking Tags		CA509/K6	100

Techna TTEC TERMINALS



AEx eII Ex eII

AEx eII Ex eII



Ttec CGT6N			Ttec CGT10U			Ttec CGT35U			Ttec CGMT4		
8 mm			10 mm			16 mm			6 mm		
47 x 54.5 mm			50 x 45 mm			61.5 x 58 mm			28.5 x 27 mm		
1.5 to 6 mm ²			0.5 to 10 mm ²			10 to 35 mm ²			0.5 to 4 mm ²		
1.5 to 10 mm ²			0.5 to 16 mm ²			10 to 50 mm ²			0.5 to 6 mm ²		
12 mm			12 mm			18 mm			9 mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
2 screw clamps and grounding through central screw			2 screw clamps and grounding through central screw			2 screw clamps and grounding through central screw			2 screw clamps and grounding through central screw		
22-8 AWG	1.5-6 mm ²	22-8 AWG	22-6 AWG	1.5-10 mm ²	16-8 AWG	8-2 AWG	10-35 mm ²	8-2 AWG	22-10 AWG	0.5-4 mm ²	22-12 AWG
800V			800V			800V			400V		
8kV/3			8kV/3			8kV/3			4kV/3		
	41 A			57 A			125 A			32 A	
14 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	25 lb-in	2.5 Nm	25 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack	
CGT6N	50		CGT10U	50		CGT35U	20		CGMT4	100	
						EPCGT4U	50				
			CA501	50 m		CA501	50 m				
CA701	50 m		CA701	50 m							
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA601	50 m	
CA509/K8	100		CA509/K10	100		CA509/K15	100		CA509/K2	100	

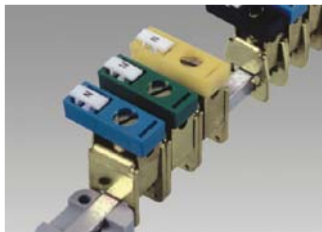
Neutral/Earth Clamp Connection

CERTAIN electrical systems require proper termination of neutral/earth conductors to a conveniently located bus bar. Techna **CENC4, CENC16, CENC35** with bus bar supports are ideal for such application. NEB10 (10 x 3 mm) and NEB6 (6 x 6 mm), tin/nickel plated copper busbar are available in one metre lengths.

NES plastic supports with fixing screws for holding 10 x 3 & 6 x 6 busbar makes the mounting of the busbar an quick task. Bus bar up to 200mm length can be supported using two busbar supports. For busbars exceeding 200 mm length, we advise the use of additional intermediate busbar supports.

Easy to operate CENC clamp secures the wire to the bus bar. Techna offers CENC4/16/35 connections with marking tag recess, for easy identification of neutral and earth connections. Choice of green (standard), blue, grey and black colour caps are available.

- Current carrying capacity of the bus bar should be taken into account when connecting loads. The NEB6 busbar is rated at 140A maximum via end feed.



Model		Ttec CENC4			Ttec CENC16			Ttec CENC35		
Terminal Block Pitch		7.5 mm			9.8 mm			14.5 mm		
Height x Width		30 x 23.3 mm			36 x 23.3 mm			45 x 27.3 mm		
Conn.	Stranded Wire	0.5 to 6 mm ²			6 to 16 mm ²			10 to 35 mm ²		
	Possibility Solid Wire	0.5 to 10 mm ²			6 to 25 mm ²			10 to 50 mm ²		
Stripping Length		12 mm			16 mm			16 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection		1 Screw clamp connection			1 Screw clamp connection			1 Screw clamp connection		
Certification										
Rated Cross Section		22-10 AWG	0.5-6 mm ²	22-12 AWG	10-4 AWG	6-16 mm ²	10-6 AWG	8-2 AWG	10.3.5 mm ²	8-2 AWG
Voltage Rating		800V			800V			800V		
Rated Impulse Voltage/Pollution Degree		8kV/3			8kV/3			8kV/3		
Current Rating		35A	41 A		80 A	76 A		125 A	125 A	
Torque		14 lb-in	0.8 Nm	14 lb-in	14 lb-in	2 Nm	17.5 lb-in	25 lb-in	2.5 Nm	25 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CENC4		50	CENC16		50	CENC35		50
Bus Bar (6 x 6 mm)		NEB6		1 m	NEB6		1 m	NEB6		1 m
Plastic support with fixing screw		NES		50	NES		50	NES		50
End Clamp		CA202		50	CA202		50	CA202		50
Marking Tags		CA509/K5		100	CA509/K6		100	CA509/K6		100

Thermocouple Terminal Block

TECHNA offers Thermocouple Terminal Blocks for accurate measurement of temperature. The Sensing part of the terminal block uses the same material (as per **DIN 43713 & DIN 43714**) which is used for compensating cables used in temperature measurement (up to 200°C) fulfilling the accuracy stated in **DIN EN 60584**.

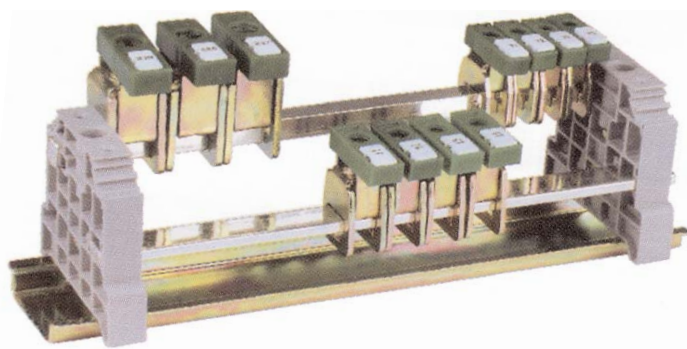
The Terminal block is marked for the respective type of thermocouple used which enables easy identification for wiring.

- K Type - Chromel (Ni/Cr)
Alumel (Ni/Al)
- J Type - Iron (Fe)
Constantan (Cu/Ni)
- T Type - Copper (Cu)
Constantan (Cu/Ni)



Model	Ttec CTT2.5U		
Terminal Block Pitch	10 mm		
Height x Width	45 x 43 mm		
Conn.	Stranded Wire		
Possibility	Solid Wire		
Stripping Length	9 mm		
Insulation Material	Polyamide 6.6		
Type of Connection	4 screw clamp connections		
Rating Cross Section	24-14 AWG	0.5-2.5 mm ²	24-14 AWG
Voltage Rating	300 V	400V	300 V
Rated Impulse Voltage/Pollution Degree	4KV/3		
Current Rating	10 A	10 A	10 A
Torque	7 lb-in	0.5 Nm	7 lb-in
	Cat. No.	Std. Pack	
Terminal Block	CTT2.5UK	50	
	CTT2.5UJ	50	
	CTT2.5UT	50	
End Plate	EP2.5/4UN	50	
Partition Plate	PP2.5/4UN	50	
Separator Plate	SP2.5/4UN	50	
Mounting rail	CA501	50 m	
	CA701	50 m	
	CA701-15	50 m	
End Clamp	CA702	50	
	CA802	50	
Marking Tags	CA509/K5	100	

Rail Mounting Assembly of CENC Clamps



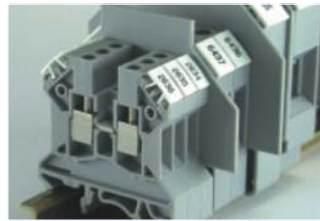
Terminal Blocks for Highly Corrosive/ Explosive Environments




TECHNA offers terminal blocks for Highly Corrosive/Explosive environments. These terminals follow the same profile as the standard CTS range but use special materials.

The terminals surpass International Standards due to carefully selected plastic insulating material and special copper alloys with advanced surface protection for fail proof clamping parts.

The terminal blocks are subjected to 'Corrosion Cracking Tests' as per CSA standard C 22.2 No. 158. The terminal blocks ensure better performance in corrosive atmospheres when compared to most other components and equipment used in cabinet boards or boxes.

The terminals blocks are Explosion Proof i.e. they can be used in potentially explosive atmospheres which may occur in Chemical & Petrochemical industries. The Terminals are designated for **Aex ell** and **EEx ell** and can be used in Class 1 & Zone 1 hazardous location. The terminal blocks comply to **EN 500019**. The terminals when used in Zone 1 areas should be installed in a terminal box or system that has the EEXe designation & a minimum of IP 54 protection.



Model		Ttec CTS2.5UNCR			Ttec CTS4UNCR		
Terminal Block Pitch		5 mm			6 mm		
Height x Width		45 x 43 mm			45 x 43 mm		
Conn.	Stranded Wire	0.5 to 2.5 mm ²			0.5 to 4 mm ²		
	Solid Wire	0.5 to 4 mm ²			0.5 to 6 mm ²		
Stripping Length		9 mm			9 mm		
Type of Connection		2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection		
Certification		   					
Rated Cross Section		22-12 AWG	0.5-2.5 mm ²	24-14AWG	22-10 AWG	0.5-4mm ²	22-10 AWG
Voltage Rating		600 V	800V	600 V	600 V	800V	600 V
Rated Impulse Voltage/Pollution Degree		8KV/3			8KV/3		
Current Rating		25 A	24 A	20 A	35 A	32 A	35 A
Torque		7 lb-in	0.4 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
		Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CTS2.5UNCR		100	CTS4UNCR		100
End Plate		EP2.5/4UN		50	EP2.5/4UN		50
Partition Plate		PP2.5/4UN		50	PP2.5/4UN		50
Separator Plate		SP2.5/4UN		50	SP2.5/4UN		100
Mounting rail		CA501		50 m	CA501		50 m
		CA701		50 m	CA701		50 m
		CA701-15		50 m	CA701-15		50 m
End Clamp		CA702		50	CA702		50
		CA802		50	CA802		50
Insulated Pre-assembled Shorting Links	2 Way	CA741/2		100	CA742/2		100
	3 Way	CA741/3		50	CA742/3		50
	4 Way	CA741/4		50	CA742/4		50
	10 Way	CA741/10		10	CA742/10		10
Insulated Comb Type Shorting Links	2 Way	CA717/2		100	CA713/2		100
	3 Way	CA717/3		100	CA713/3		100
	4 Way	CA717/4		100	CA713/4		100
	10 Way	CA717/10		50	CA713/10		50
Marking	K-type	CA509/K5		100	CA509/K6		100
Tags	Continuous	CA509/K9F		10	CA509/K9F		10



Ttec CTS6UCR			Ttec CTS10UCR			Ttec CTS16UCR			Ttec CTS25UCR		
8 mm			10 mm			12 mm			12 mm		
47 x 43 mm			47 x 43 mm			47 x 43 mm			56 x 49 mm		
1.5 to 6 mm ²			1.5 to 10 mm ²			2.5 to 16 mm ²			6 to 25 mm ²		
1.5 to 10 mm ²			1.5 to 16 mm ²			2.5 to 25 mm ²			6 to 35 mm ²		
12 mm			12 mm			16 mm			18 mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection			2 screw clamps and 1 tapped hole for cross connection		
22-8 AWG	1.5-6 mm ²	22-8 AWG	22-6 AWG	1.5-10 mm ²	22-7 AWG	22-4 AWG	2.5-16 mm ²	14-4 AWG	12-2 AWG	6-25 mm ²	14-2 AWG
600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V
	8KV/3			8KV/3			8KV/3			8KV/3	
50 A	41 A	50 A	65A	57 A	65 A	85 A	76 A	85 A	115 A	101 A	115 A
9 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	14 lb-in	2.0 Nm	14 lb-in	14 lb-in	2.0 Nm	14 lb-in
Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
CTS6UCR		100	CTS10UCR		100	CTS16UCR		50	CTS25UCR		100
EP6/10U		50	EP6/10U		50				EP25U		50
PP6/10U		50	PP6/10U		50				PP25U		50
SP6/10U		100	SP6/10U		100	SP16U		100	SP25/35U		50
CA501		50 m	CA501		50 m	CA501		50 m	CA501		50 m
CA701		50 m	CA701		50 m	CA701		50 m	CA701		50 m
CA701-15		50 m	CA701-15		50 m	CA701-15		50 m	CA701-15		50 m
CA702		50	CA702		50	CA702		50	CA702		50
CA802		50	CA802		50	CA802		50	CA802		50
CA743/2		100	CA744/2		100	CA761/2		100	CA745/2		100
CA743/3		50	CA744/3		50	CA761/3		50	CA745/3		50
CA743/4		50	CA744/4		50	CA761/4		50	CA745/4		50
CA743/10		10	CA744/10		10	CA761/10		10	CA745/10		10
CA710/2		100	CA718/2		100						
CA710/3		100	CA718/3		100						
CA710/4		100	CA718/4		100						
CA710/10		50	CA718/10		50						
CA509/K8		100	CA509/K10		100	CA509/K12		100	CA509/K12		100
CA509/K9F		10	CA509/k9F		10	CA509/k9F		10	CA509/k9F		10



Model		Ttec CTS35UNCR		
Terminal Block Pitch		15 mm		
Terminal H x W		58 x 52.5 mm		
Conn.	Stranded Wire	10 to 35 mm ²		
	Possibility Solid Wire	10 to 50 mm ²		
Stripping Length		18 mm		
Insulation Material		Polyamide 6.6		
Type of Connection		2 screw clamps and 1 tapped hole for cross connection		
Certification				
Rated Cross Section		8-2 AWG	10-35 mm ²	18-2 AWG
Voltage Rating		600 V	800V	600 V
Rated Impulse Voltage/Pollution Degree			8KV/3	
Current Rating		145 A	125 A	145 A
Torque		25 lb-in	2.5 Nm	25 lb-in

Cat No.

Std. Pack

Terminal Block		CTS35UCR	50			
End Plate		EP35U	50			
Partition Plate		PP35U	50			
Separator Plate		SP25/35U	50			
Mounting rail		CA501	50 m			
		CA701	50 m			
		CA701-15	50 m			
End Clamp		CA702	50			
		CA802	50			
Insulated Pre-assembled Shorting Links	2 Way		CA746/2	100		
	3 Way		CA746/3	50		
	4 Way		CA746/4	50		
	10 Way		CA746/10	10		
Insulated Comb Type Shorting Links	2 Way		-	-		
	3 Way		-	-		
	4 Way		-	-		
	10 Way		-	-		
Marking Tags	K-type		CA509/K15	100		
	Continuous		CA509/K9F	10		



Model	Ttec CSTSN4U			Ttec CSTSN5U			Ttec CSTSB4U/5U		
Terminal Block Pitch	17 mm			17 mm			17 mm		
Terminal Width	44.5 x 50 mm			44.5 x 50 mm			44.5 x 50 mm		
Conn. Possibility	1.5 to 10 mm ²			1.5 to 16 mm ²			1.5 to 10 mm ² / 6 to 16 mm ²		
Stripping Length	12 mm			12 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw flat connection for ring/fork lugs			2 screw flat connection for ring/fork lugs			2 screw flat connection for ring/fork lugs		
Stud Size/ Operated By	M4 / Nut Driver			M5 / Nut Driver			M4 / M5 Nut Driver		
Certification	CE								
Rated Cross Section	22-6 AWG	1.5-10 mm ²	22-6 AWG	22-4 AWG	1.5-16 mm ²	22-4 AWG	22-6 AWG	1.5-10 mm ²	22-6 AWG
							22-4 AWG	1.5-16 mm ²	22-4 AWG
Voltage Rating	600 V	800 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V
Rated Impulse Voltage/Pollution Degree	8kV			8kV			8kV		
Current Rating	65 A	57 A	65 A	80 A	76 A	80 A	65 A/80 A	57 A/ 76 A	65 A/80 A
Torque	14 lb-in	1.2 Nm	14 lb-in	17.5 lb-in	2.0 Nm	17.5 lb-in	14 lb-in	1.2 Nm	14 lb-in
							25 lb-in	2 Nm	25 lb-in

		Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack
Terminal Block		CSTSN4U	100	CSTSN5U	100	CSTSB4U	100
						CSTSB5U	100
End Plate		EPCSTSN5U	50	EPCSTSN5U	50	EPCSTSN5U	50
Mounting rail		CA501	50 m	CA501	50 m	CA501	50 m
		CA701	50 m	CA701	50 m	CA701	50 m
		CA701-15	50 m	CA701-15	50 m	CA701-15	50 m
End Clamp		CA702	100	CA702	100	CA702	100
		CA802	50	CA802	50	CA802	50
Protective cover in Length	100 mm	CSTSPC1-2	10	CSTSPC1-2	10	CSTSPC1-2	10
	200 mm	CSTSPC1-3	10	CSTSPC1-3	10	CSTSPC1-3	10
	300 mm	CSTSPC1-4	10	CSTSPC1-4	10	CSTSPC1-4	10
Protective cover for covering Insulated Removable Shorting Links	2 terminal	CSTSPC1	100	CSTSPC1	100	CSTSPC1	100
	3 terminal	CSTSPC1-1	100	CSTSPC1-1	100	CSTSPC1-1	100
Insulated Permanent Shorting Links	2 Way	CA514/1-2	100	CA514/1-2	100	CA514/1-2	100
	3 Way	CA514/1-3	50	CA514/1-3	50	CA514/1-3	50
	4 Way	CA514/1-4	25	CA514/1-4	25	CA514/1-4	25
Insulated Permanent Shorting Links	2 Way	CA514/3-2	100	CA514/3-2	100	CA514/3-2	100
	3 Way	CA514/3-3	50	CA514/3-3	50	CA514/3-3	50
	4 Way	CA514/3-4	25	CA514/3-4	25	CA514/3-4	25
Marking Tags		CA509/K2	100	CA509/K2	100	CA509/K2	100

ACTIVE TERMINAL BLOCKS

In various applications where

- Input signals have to be converted
- Indication is required
- Circuit protection is required, use of such connectors is recommended

For such applications, Techna offers different types of terminal blocks incorporating electronic components. Based on customer requirements, specially assembled terminal blocks are offered.

CDL4U(O) - Techna Double level terminal blocks with open current bar at bottom level with extra drilled hole can accommodate electronic components such as diodes, resistors, LEDs etc. Made to customer order.

CDL4USP -spacer can be used for covering custom electronic components, which may protrude outside the CDL4U(o) terminal block.

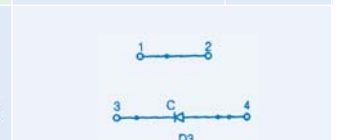
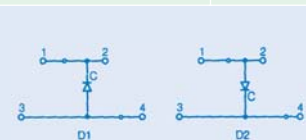
(With arc suppression circuit for contactors and solenoid valves- D.C.

(Diode circuit for reverse polarity protection)



Model	CDL4U(E)D1/D2			CDL4U(E)D3		
Type Voltage	D1/D2 300 V ~			D3 300 V ~		
Diode	IN 4007			IN 4007		
Diode Reverse Voltage	1000 V			1000 V		
Diode Current	1 A			1 A		
Terminal Block Pitch H x W x T	54 x 55.5 x 6 mm			54 x 55.5 x 6 mm		
Conn. Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²		
Possibility Solid Wire	0.5 to 6 mm ²			0.5 to 6 mm ²		
Stripping Length	9 mm			9 mm		
Certification						
Wire Range	22-12 AWG	0.5-2.5 mm ²	25-12 AWG	22-12 AWG	0.5-2.5 mm ²	25-12 AWG
Voltage Rating	600 V	400V	600 V	600 V	400V	600 V
Rated Impulse Voltage/Pollution Degree	4 kV/3			4 kV/3		
Current Rating	25 A	32 A	25 A	25 A	32 A	32 A
Torque	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in

	Cat No.	Std. Pack	Cat No.	Std. Pack
Terminal Block	CDL4U(E)D1	100	CDL4U(E)D3	100
	CDL4U(E)D2	100		
End Plate	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50
Mounting rail	CA501	50 m	CA501	50 m
	CA701	50 m	CA701	50 m
	CA701-15	50 m	CA701-15	50 m
Permanent Shorting Links	2 Way	CA703/1	CA703/1	100
	3 Way	CA704/1	CA704/1	100
	4 Way	CA705/1	CA705/1	100
	10 Way	CA732/10	CA732/10	100
Short Sleeve & Screw for Quick permanent shorting	CA607/S/Q	100	CA607/S/Q	100
Marking Tags (K-type)	CA509/K2	100	CA509/K2	100



- One connector with 4 terminals on 2 levels equipped with anti return diode.
- Shorting possibility for adjacent terminals on both levels.
- In CDL4U(E)D1, cathode of anti return diode is connected on the upper level.
- In CDL4U(E)D2, cathode of anti return diode is connected on the lower level.

- One connector with 4 terminals on 2 levels equipped with diode (cathode on either side) on lower level.
- Shorting possibility for adjacent terminals on both levels.

(Diode circuit for lamp testing) (Diode circuit for lamp testing) (Diode circuit for lamp testing with LED series resistance) (Diode circuit for lamp testing with LED series resistance)

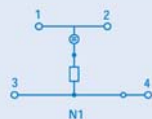


CDL4U(E)DD1/DD2			CDL4U(E)DD3/DD4			CDL4U(E)D4			CDL4U(E)DD5		
D1/D2			D1/2			D1/D2			D3		
300 V			300 V			300 V			300 V		
IN 4007			IN 4007			IN 4007			IN 4007		
1000 V			1000 V			1000 V			1000 V		
1 A			1 A			1 A			1 A		
54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm		
0.5 to 4 sq. mm			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
0.5 to 6 sq. mm			0.5 to 6 mm ²			0.5 to 6 mm ²			0.5 to 6 mm ²		
9 mm			9 mm			9 mm			9 mm		
22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG
600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V
	4 kV/3			4 kV/3			4 kV/3			4 kV/3	
25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	25 A
7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack	Cat No.	Std. Pack
CDL4U(E)DD1	100	CDL4U(E)DD3	100	CDL4U(E)D4 12V D.C	100	CDL4U(E)DD5 12V AC	100				
CDL4U(E)DD2	100	CDL4U(E)DD4	100	CDL4U(E)D4 24V D.C	100	CDL4U(E)DD5 24V AC	100				
EPCDL4U	50	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50				
CDL4USP	50	CDL4USP	50	CDL4USP	50	CDL4USP	50				
CA501	50 m	CA501	50 m	CA501	50 m	CA501	50 m				
CA701	50 m	CA701	50 m	CA701	50 m	CA701	50 m				
CA701-15	50 m	CA701-15	50 m	CA701-15	50 m	CA701-15	50 m				
CA703/1	100	CA703/1	100	CA703/1	100	CA703/1	100				
CA704/1	100	CA704/1	100	CA704/1	100	CA704/1	100				
CA705/1	100	CA705/1	100	CA705/1	100	CA705/1	100				
CA732/10	100	CA732/10	100	CA732/10	100	CA732/10	100				
CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100				
CA509/K2	100	CA509/K2	100	CA509/K2	100	CA509/K2	100				
<ul style="list-style-type: none"> - One connector with 4 terminals on 2 levels. - Shorting possibility for adjacent terminals on both levels. - In CDL4U(E)DD1, one +ve output on the lower level. - In CDL4U(E)DD2, one -ve output on the lower level. 		<ul style="list-style-type: none"> - One connector with 4 terminals on 2 levels. - Shorting possibility for adjacent terminals on both levels. - In CDL4U(E)DD3, two +ve output on the lower level. - In CDL4U(E)DD4, two -ve output on the lower level. 		<ul style="list-style-type: none"> - One +ve output on lower level. - One connector with 4 terminals on 2 levels. - Shorting possibility for adjacent terminals on both levels. 		<ul style="list-style-type: none"> - One +ve output on lower level. - One connector with 4 terminals on 2 levels. - Shorting possibility for adjacent terminals on both levels. 					

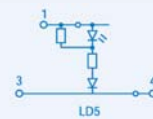


Model		CDL4U(E)N1			CDL4U(E) LD5			CDL4U(E)LD3		
Type Voltage		N1 110 V ~ to 220 V ~			LD5 24 V ~, 48 V, 100 V ~, 220 V ~			LD3 12 V ≈, 24 V ≈		
Diode					IN 4007			IN 4007		
Diode Reverse Voltage					1000 V			1000 V		
Diode Current					1 A			1 A		
Terminal Block H x W x T		54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm		
Conn.	Stranded Wire	0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
	Possibility Solid Wire	0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
Stripping Length		9 mm			9 mm			9 mm		
Certification										
Rated Cross Section		22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG
Voltage Rating		600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V
Rated Impulse Voltage/Pollution Degree		4 kV/3			4 kV/3			4 kV/3		
Current Rating		25 A	32 A	25 A	25 A	32 A	32 A	25 A	32 A	25 A
Torque		7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in

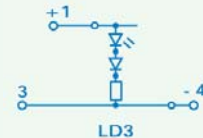
		Cat No.		Std. Pack		Cat No.		Std. Pack	
Terminal Block		CDL4U(E)N1 (110V)	50	LD5 24 V~	50	LD3 12 V ≈	100		
	[Prefix CDL4U(E) to Type Voltage]	CDL4U(E)N1 (220V)	50	LD5 48 V~	50	LD3 24 V ≈	100		
End Plate		EPCDL4U	50	EPCDL4U	50	EPCDL4U	50		
Spacer		CDL4USP	50	CDL4USP	50	CDL4USP	50		
Mounting rail		CA501	50 m	CA501	50 m	CA501	50 m		
		CA701	50 m	CA701	50 m	CA701	50 m		
		CA701-15	50 m	CA701-15	50 m	CA701-15	50 m		
Permanent Shorting Links	2 Way	CA703/1	100	CA703/1	100	CA703/1	100		
	3 Way	CA704/1	100	CA704/1	100	CA704/1	100		
	4 Way	CA705/1	100	CA705/1	100	CA705/1	100		
	10 Way	CA732/10	100	CA732/10	100	CA732/10	100		
Short Sleeve & Screw for Quick permanent shorting		CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100		
Marking Tags (K-type)		CA509/K2	100	CA509/K2	100	CA509/K2	100		



- One connector with 4 terminals on 2 levels.
- Shorting possibility for adjacent terminals on both levels.



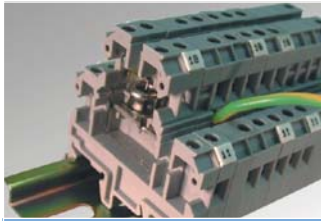
- One connector with 3 terminals on 2 levels
- Shorting possibility for adjacent terminals on both levels.



- -ve on lower level
- One connector with 3 terminals on 2 levels equipped with protected LED
- Shorting possibility for adjacent terminals on both levels.

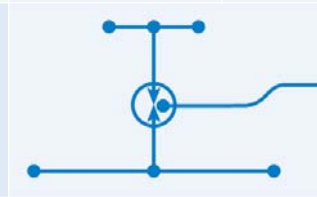
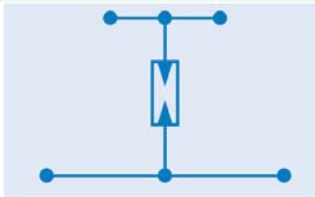


CDL4U(E)LD4			CDL4U(E)LD1/LD2			CDL4U(E)L1/L2			CDL4U(O)		
LD4			LD1/LD2			L1/L2			CDL4U(O)		
24 V ≈ , 48 V ≈			24 V AC			6 V AC, 24 V AC, 60 V					
IN 4007			IN 4007			IN 4007					
1000 V			1000 V			1000 V					
1 A			1 A			1 A					
54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm		
0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²		
9 mm			9 mm			9 mm			9 mm		
22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG
600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V
	4 kV/3			4 kV/3			4 kV/3			4 kV/3	
25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	32 A
7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat. No.	Std. Pack		Cat. No.	Std. Pack		Cat. No.	Std. Pack		Cat. No.	Std. Pack	
LD4 24 V ≈	100		LD4 24 V AC	50		L1 6 V AC	50		CDL4U(O)	100	
LD4 48 V ≈	100		LD4 24 V AC	50		L1 24 V AC	50				
						L1 60 V AC	50				
						L2 24 V AC	50				
						L2 60 V AC	50				
EPCDL4U	50		EPCDL4U	50		EPCDL4U	50		EPCDL4U	50	
CDL4USP	50		CDL4USP	50		CDL4USP	50		CDL4USP	50	
CA501	50 m		CA501	50 m		CA501	50 m		CA501	50 m	
CA701	50 m		CA701	50 m		CA701	50 m		CA701	50 m	
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA701-15	50 m	
CA703/1	100		CA703/1	100		CA703/1	100		CA703/1	100	
CA704/1	100		CA704/1	100		CA704/1	100		CA704/1	100	
CA705/1	100		CA705/1	100		CA705/1	100		CA705/1	100	
CA732/10	100		CA732/10	100		CA732/10	100		CA732/10	100	
CA607/S/Q	100		CA607/S/Q	100		CA607/S/Q	100		CA607/S/Q	100	
CA509/K2	100		CA509/K2	100		CA509/K2	100		CA509/K2	100	
<ul style="list-style-type: none"> -ve on lower level. One connector with 3 terminals on 2 levels equipped with protected LED. Shorting possibility for adjacent terminals on both levels. 			<ul style="list-style-type: none"> One connector with 3 terminals on 2 levels equipped with protected LED and protection for associated circuit at the output side. Caution: Reversal of polarity may damage the source. In CDL4U(E)LD1, -ve on lower level. In CDL4U(E)LD2, +Ve on lower level. 			<ul style="list-style-type: none"> One connector with 3 terminals on 2 levels with non protected LED. Shorting possibility for adjacent terminals on both levels. In CDL4U(E)L1, -ve on lower level. In CDL4U(E)L2, +ve on lower level. 					



Model	CDL4U(E)LA	CDL4U(E)3LA	
Terminal Block Pitch	12 mm	18 mm	
Height x Width	54 x 55.5 mm	54 x 55.5 mm	
Stripping Length	9 mm	9 mm	
Insulation Material	Polyamide 6.6	Polyamide 6.6	
Type of Connection	4 Screw Clamps	4 Screw Clamps	
Wire Range	0.5 - 4 mm ² / 22-10 AWG	0.5 - 4 mm ² / 22-10 AWG	
Voltage Rating	75V, 90V, 230V, 600V, 1000V DC	90V, 230V, 350V, 600V DC	
Impulse Discharge Current	20 kA (8/20s)	10 kA (8/20s)	
Alternating Discharge Current at 50hz	20 A	10 A	
Response Time	100 ns	100 ns	
Normal Current	10 A	5 A	
Capacitance	< 1.5 pf	< 1.0 pf	

		Cat No.	Std. Pack	Cat No.	Std. Pack	
Terminal Block [Prefix CDL4U(E) to Type Cat.No]		* LA 75V AC LA 90 V AC LA 230 V AC LA 600V AC LA 1000V AC	20 20 20 20 20	3LA 90V AC 3LA 230V AC 3LA 350V AC 3LA 600V AC	20 20 20 20	
End Plate		EPCDL4U	50	EPCDL4U	50	
Spacer for terminal		CDL4USP	50	CDL4USP	50	
Mounting rail		CA501	50 m	CA501	50 m	
		CA701	50 m	CA701	50 m	
		CA701-15	50 m	CA701-15	50 m	
End clamp		CA702	50	CA702	50	
		CA802	50	CA802	50	
Marking Tags (K-type)		CA509/K2	100	CA509/K2	100	



(AC/DC Voltage indicator with LED)

(DC Voltage indicator with LED)

(DC Voltage indicator with LED)



CDL4U(E)LD4			CDL4U(E)LD1/LD2			CDL4U(E)L1/L2			CDL4U(0)		
LD4			LD1/LD2			L1/L2			CDL4U (0)		
24 V ≈, 48 V ≈			24 V ≈			6 V -, 24V -, 60 V					
1N 4007			1N 4007			1N 4007					
1000 V			1000 V			1000 V					
1 A			1 A			1 A					
54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm			54 x 55.5 x 6 mm		
0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 sq. mm		
0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 4 sq. mm		
9 mm			9 mm			9 mm			9 mm		
22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG	22-12 AWG	0.5-4 mm ²	22-10 AWG
600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V	600 V	400V	600 V
	4 kV/3			4 kV/3			4 kV/3			4 kV/3	
25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	25 A	25 A	32 A	25 A
7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack	
LD4 24 V ≈	100		LD1 24 V -	50		L1 6 V -	50		CDL4U(0)		100
LD4 48 V ≈	100		LD2 24 V -	50		L1 24 V -	50				
						L1 60 V -	50				
						L2 6 V -	50				
						L2 24 V -	50				
						L2 60 V -	50				
EPCDL4U	50		EPCDL4U	50		EPCDL4U	50		EPCDL4U	50	
CDL4USP	50		CDL4USP	50		CDL4USP	50		CDL4USP	50	
CA501	50 m		CA501	50 m		CA501	50 m		CA501	50 m	
CA701	50 m		CA701	50 m		CA701	50 m		CA701	50 m	
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m		CA701-15	50 m	
CA703/1	100		CA703/1	100		CA703/1	100		CA703/1	100	
CA704/1	100		CA704/1	100		CA704/1	100		CA704/1	100	
CA705/1	100		CA705/1	100		CA705/1	100		CA705/1	100	
CA732/10	100		CA732/10	100		CA732/10	100		CA732/10	100	
CA607/S/Q	100		CA607/S/Q	100		CA607/S/Q	100		CA607/S/Q	100	
CA509/K2	100		CA509/K2	100		CA509/K2	100		CA509/K2	100	
<ul style="list-style-type: none"> -ve on lower level One connector with 3 terminals on 2 levels equipped with protected LED Shorting possibility for adjacent terminals on both levels. 			<ul style="list-style-type: none"> One connector with 3 terminals on 2 levels equipped with protected LED and protection of associated circuit at the output side. Caution: Reversal of polarity may damage the source. In CDL4U(E)LD1, -ve on lower level. In CDL4U(e)LD2, +ve on lower level 			<ul style="list-style-type: none"> One connector with 3 terminals on 2 levels with non protected LED Shorting possibility for adjacent terminals on both levels. In CDL4U(E)L1, -ve on lower level. In CDL4U(E)L2, +ve on lower level. 					

Screwless Spring Clamp Terminal Blocks

In **CERTAIN** applications for smaller cross section range of wires, Techna Screwless Spring Terminal blocks are available.

In Spring Clamp Terminals, the wire is held against the current bar directly by a pre-stressed spring clamp.

The spring clamp is operated by using a screw driver to provide an access to wire through the opening in the spring clamp. The wire end gets clamped on to the current bar on removal of the Screw Driver.

TTEC CSC-T Techna **Spring Clamp Terminal** blocks employ **Top** wire entry systems. The terminal blocks are suitable for mounting on Din 3 rail (Din 35).

Insulated Push-in type cross connecting links besides providing shock protection, simply the task of cross connection.



Model	Ttec CSC2.5T			Ttec CSC4T			Ttec CSC6T		
Terminal Block Pitch	5 mm			6 mm			8 mm		
Width x Height	36 x 58 mm			42 x 65 mm			45 x 72 mm		
Conn.	Flexible Stranded			0.5 to 4 mm ²			0.5 to 6 mm ²		
Possibility	Rigid Solid			0.5 to 4 mm ²			0.5 to 10 mm ²		
Stripping Length	9 mm			9 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 spring clamp connection and 2 slots for interconnection			2 spring clamps and 2 slots for interconnection			2 spring clamps and 2 slots for interconnection		
Certification	CE								
Rated Cross Section	22-14AWG #	0.5-2.5 mm ²	22-14 AWG	22-12AWG #	0.5-4 mm ²	22-12 AWG	22-8 AWG #	0.5-6 mm ²	22-8 AWG
Voltage Rating	600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V
Rated Impulse Voltage/Pollution Degree	8kV/3			8kV/3			8kV/3		
Current Rating	20 A	24 A	20 A	25 A	32 A	25 A	50 A	41 A	50 A
	Cat No.		Std. Pack	Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block	CSC2.5T		100	CSC4T		100	CSC6T		50
End Plate		EPCSC2.5T	50	EPCSC4T		50	EPCSC6T		50
Partition Plate		PPCS2.5T	50	PPCSC4T		50	PPCSC6T		50
Mounting rail		CA701	50 m	CA701		50 m	CA701		50 m
		CA701-15	50 m	CA701-15		50 m	CA701-15		50 m
End Clamp		CA702	50	CA702		50	CA702		50
		CA802	50	CA802		50	CA802		50
Insulated Push-in Type Shorting Link (2 way). Current Rating 10A, wire length 110mm.		CA801/1	100	CA801/2		100	CA801/3		100
Insulated Push-in Type (wire) Shorting Link		CA901/1	100	CA901/2		100	-		-
Alternate Link		CA801/1-3	100	CA801/2-3		100	CA801/3-3		100
Marking Tags		CA509/K5	100	CA509/K6		100	CA509/K6		100

For Stranded conductor only

Spring Clamp Ground Terminal Blocks

TECHNA offers 'Screwless' Spring Clamp Ground Terminal Blocks. The spring clamp is operated by using a screw driver to provide an access to wire through the opening in the Spring clamp. The wire is held against the current bar directly by a pre-stressed spring clamp. Specially designed alloy feet help in achieving very low bonding resistance and vibration-proof grounding.

CSCG series terminals can be mounted on Din 35 rail with other terminal blocks from the same series. The terminal block profiles match with that of other CSC terminal blocks of the same wire size.

Special features of CSCG terminals are:

- Vibration proof grounding
- Very low bonding resistance due to of special alloy feet
- Spring clamp to accept any type of wire



Model		Ttec CSCG2.5T		Ttec CSCG4T		Ttec CSCG6T							
Terminal Block Pitch		5 mm		6 mm		8 mm							
Width x Height		36 x 58 mm		42 x 65 mm		45 x 72 mm							
Conn.	Flexible Stranded	0.5 to 2.5 mm ²		0.5 to 4 mm ²		0.5 to 6 mm ²							
Possibility	Rigid Solid	0.5 to 4 mm ²		0.5 to 6 mm ²		0.5 to 10 mm ²							
Stripping Length		9 mm		9 mm		12 mm							
Insulation Material		Polyamide 6.6		Polyamide 6.6		Polyamide 6.6							
Type of Connection		2 screw clamp connection, grounding through alloy feet		2 screw clamp connection, grounding through alloy feet		2 screw clamps and one tapped hole for cross connection							
Certification		CE		UL		UL							
Rated Cross Section		22-14 AWG	0.5-2.5 mm ²	22-14 AWG	22-12 AWG	0.5-4 mm ²	22-12 AWG	22-8 AWG	0.5-6 mm ²	22-8 AWG			
Voltage Rating		800V		800V		800V							
Rated Impulse Voltage/Pollution Degree		8kV/3		8kV/3		8kV/3							
Current Rating		24 A		32 A		41 A							
		Cat No.		Std. Pack		Cat No.		Std. Pack					
Terminal Block		CSCG2.5T		100		CSCG4T		100		CSCG6T		50	
Mounting rail		CA701		50 m		CA701		50 m		CA701		50 m	
		CA701-15		50 m		CA701-15		50 m		CA701-15		50 m	
Marking Tags		CA509/K5		100		CA509/K6		100		CA509/K8		100	

Multiple Connection Spring Clamp Terminal Blocks

TECHNA Multiple connection Spring Clamp terminal blocks are a reliable solution for problems posed by multiple connections. The terminals eliminate the conventional method of cross connection/looping, saving additional space.

The terminal blocks provide the possibility of further multiplication of connections through bridging. Multiple Connection Terminal Blocks can even be bridged to Standard Feed through Spring Clamp Terminal Blocks of the same respective wire size (CSC2.5T/CSC4T/CSC6T).



Model		Ttec CSC2.5T1.2			Ttec CSC2.5T2-2				
Terminal Block Pitch		5 mm			5 mm				
Width x Height		36 x 74 mm			36 x 90 mm				
Conn. Possibility	Stranded Wire	0.5 to 2.5 mm ²			0.5 to 2.5 mm ²				
	Solid Wire	0.5 to 4 mm ²			0.5 to 4 mm ²				
Stripping Length		9 mm			9 mm				
Insulation Material		Polyamide 6.6			Polyamide 6.6				
Type of Connection		3 Spring clamp connections and 2 slots for interconnection			4 Spring clamp connections and 2 slots for interconnection				
Certification									
Rated Cross Section		22-14 AWG	0.5-2.5 mm ²	22-14 AWG	22-14 AWG	0.5-2.5 mm ²	22-14 AWG		
Voltage Rating		600 V	800V	600 V	600 V	800V	600 V		
Rated Impulse Voltage/Pollution Degree		8KV/3			8KV/3				
Current Rating		20 A	24 A	20 A	20 A	24 A	20 A		
		Cat. No.		Std. Pack		Cat. No.		Std. Pack	
Terminal Block		CSC2.5T1-2		100		CSC2.5T2-2		50	
End Plate		 EPCSC2.5T1-2		50		 EPCSC2.5T2-2		50	
Mounting rail		 CA701		50 m		 CA701		50 m	
		CA701-15		50 m		CA701-15		50 m	
End Clamp		 CA702		50		 CA702		50	
		CA802		50		CA802		50	
Isulated Push-in Type Shorting Link (2 way)		 CA801/1		100		 CA801/1		100	
Isulated Push-in Type (Wire) Shorting Link		 CA901/1		100		 CA901/1		100	
Alternate Link		 CA801/1-3		100		 CA801/1-3		100	
Marking Tags		 CA509/K5		100		 CA509/K5		100	



Ttec CSC4T1-2			Ttec CSC4T2-2			Ttec CSC6T1-2					
6 mm			6 mm			8 mm					
42 x 85 mm			42 x 105 mm			45 x 94 mm					
0.5 to 4 mm ²			0.5 to 4 mm ²			0.5 to 6 mm ²					
0.5 to 6 mm ²			0.5 to 6 mm ²			0.5 to 10 mm ²					
9 mm			9 mm			12 mm					
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6					
3 Spring clamp connection and 2 slots for interconnection			4 Spring clamp connections and 2 slots for interconnection			3 Spring clamp connections and 2 slots for interconnection					
22-12 AWG	0.5-4 mm ²	22-12 AWG	22-12 AWG	0.5-4 mm ²	22-12 AWG	22-8 AWG	0.5-6 mm ²	22-8 AWG			
600 V	800V	600 V	600 V	800V	600 V	600 V	800V	600 V			
	8KV/3			8KV/3			8KV/3				
25 A	32 A	25 A	25 A	32 A	25 A	50 A	41 A	50 A			
Cat No.	Std. Pack		Cat No.	Std. Pack		Cat No.	Std. Pack				
CSC4T1-2	50		CSC4T2-2	50		CSC6T1-2	50				
EPCSC4T1-2	50		EPCSC4T2-2	50		EPCSC6T1-2	50				
CA701	50 m		CA701	50 m		CA701	50 m				
CA701-15	50 m		CA701-15	50 m		CA701-15	50 m				
CA702	50		CA702	50		CA702	50				
CA802	50		CA802	50		CA802	50				
CA801/2	100		CA801/2	100		CA801/3	100				
CA901/2	100		CA901/2	100							
CA801/2-3	100		CA801/2-3	100		CA801/3-3	100				
CA509/K6	100		CA509/K6	100		CA509/K8	100				

Panel Mount Spring Clamp Terminal Blocks

TECHNA'S Screwless Spring Clamp Panel Mount Terminal Blocks are excellent solution for extremely compact wiring applications. The terminal blocks are "add-on" type and can be stacked to form multi pole assemblies.

The stacked assembly is fitted with mounting End plates / stops at both ends for fixing on to the panel. The terminal block has marker holding recesses to accept "K" type marking tags. Cross connection can be achieved with the aid of Comb type shorting Links.

Techna's **CSCP2..5T2** provide two connection points on both sides. Further multiplication of connections can be achieved through bridging.

Model		Ttec CSCP2.5T			Ttec CSCP2.5T2		
Terminal Block Pitch		5 mm			10 mm		
Width x Height		27 x 35 mm			27 x 35 mm		
Conn. Possibility	Flexible Stranded	0.5 to 2.5 mm ²			0.5 to 2.5 mm ²		
	Rigid Solid	0.5 to 4 mm ²			0.5 to 4 mm ²		
Stripping Length		9 mm			9 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection		2 Spring Clamp Connections			4 Spring Clamp Connections		
Certification		CE					
Rated Cross Section		22-14 AWG	0.5-2.5 mm ²	22-14 AWG	22-14 AWG	0.5-2.5 mm ²	22-14 AWG
Voltage Rating		600 V	800V	600 V	600 V	800V	600 V
Rated Impulse Voltage/Pollution Degree		8KV/3			8KV/3		
Current Rating		20 A	24 A	20 A	20 A	24 A	20 A
		Cat No.		Std. Pack	Cat No.		Std. Pack
Terminal Block		CSCP2.5T	100	CSCP2.5T2	100		
End Plate		 EPCSP2.5T	25	EPCSCP2.5T	25		
Insulated Comb Type Shorting Link (2 way)		 CA803/1	100	CA803/1	100		
Marking Tags		 CA509/K4	100	CA509/K3	100		

Angular Spring Clamp Terminal Blocks

TECHNA Angular Spring clamp terminal blocks are a solution for compact junction boxes with limited space and height.

The angular terminal blocks offer the following advantage.

- Angular entry of wires.
- Saving in conductor length.
- Marking/Identification facility on centre (top) of the block.
- Multiplication of connections is possible through bridging.



Model		Ttec CSC2.5A			Ttec CSC2.5A1-2				
Terminal Block Pitch		5 mm			5 mm				
Width x Height		42 x 54 mm			42 x 54 mm				
Conn.	Flexible Stranded	0.5 to 2.5 mm ²			0.5 to 2.5 mm ²				
	Possibility Rigid Solid	0.5 to 4 mm ²			0.5 to 4 mm ²				
Stripping Length		9 mm			9 mm				
Insulation Material		Polyamide 6.6			Polyamide 6.6				
Type of Connection		2 Spring Clamp Connections and 2 slots for interconnection			3 Spring Clamp Connections and 2 slots for interconnection				
Certification		CE							
Rated Cross Section		22-14 AWG	0.5-2.5 mm ²	22-14 AWG	22-14 AWG	0.5-2.5 mm ²	22-14 AWG		
Voltage Rating		600 V	800V	600 V	600 V	800V	600 V		
Rated Impulse Voltage/Pollution Degree		8KV/3			8KV/3				
Current Rating		20 A	24 A	20 A	20 A	24 A	20 A		
		Cat No.		Std. Pack		Cat No.		Std. Pack	
Terminal Block		CSC2.5A		100		CSCP2.5A1-2		100	
End Plate		EPCSC2.5A		50		EPCSC2.5A1-2		50	
Mounting Rail		CA701		50 m		CA701		50 m	
		CA701-15		50 m		CA701-15		50 m	
End Clamp		CA702		50		CA702		50	
		CA802		50		CA802		50	
Insulated Push-in Type Shorting Link (2 way)		CA801/1		100		CA801/1		100	
Insulated Push-Intype (Wire) Shorting Link		CA901/1		100		CA901/1		100	
Alternate Link		CA801/1-3		100		CA801/1-3		100	
Marking Tags		CA509/K5		100		CA509/K5		100	

Interface Modules

TECHNA offers Component Carrier modules to modify and/or build circuits to meet special requirements. The PCB is designed with a pre-fabricated circuit with two rows of solder pins to place components including Resistors, Diodes, Capacitors, Varistors, etc.

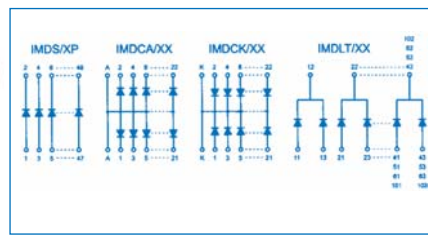
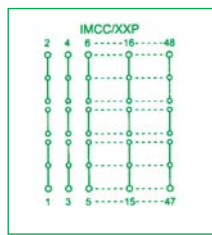
DIODE MODULES:

IMDS - For freewheeling, reverse polarity protection, etc. in existing circuits.

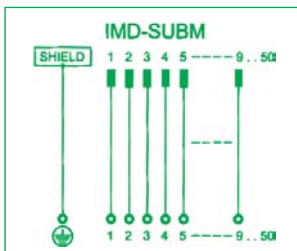
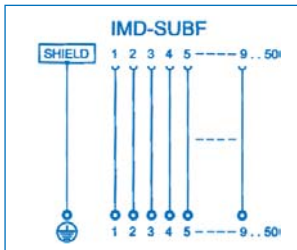
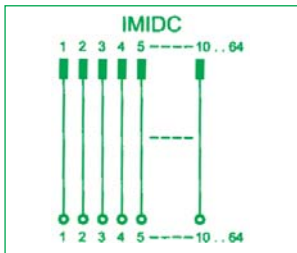
IMDCA & IMDCK (Bussed Diodes) for distribution of logic Vcc/ground.

Lamp Test (LT) Modules coupling and decoupling of collective signals.

On customer request a 3A diode (1N5408) can be incorporated in the Diode Module.



Model		Ttec IMCC		Ttec IMD			
Maximum Operating Voltage		230 V ≈		230 V ≈			
Diode Type				1N4007			
Max. Diode Forward Voltage				0.8 V			
Max. Diode Reverse Voltage				1000 V			
Max. Diode Current				1 A			
Max. Reverse Current				5 μA			
Max. Current per Channel		5A		1A			
Max. current through terminal 'A'/'K'	IMDS			-			
	IMDCA			10 A			
	IMDCK			10 A			
	IMDLT			-			
Terminal Block Pitch		5mm		5mm			
Rated cross section		0.5-2.5 mm ² / 24-14 AMG		0.5-2.5 mm ² / 24-14 AMG			
Shipping Length		7mm		7mm			
Voltage Rating (Terminal Block)		250 V / 300 V		250 V / 300 V			
Current Rating (terminal Block)		16 A		16 A			
PCB Track Current Rating		8 A		8 A			
		Cat No.	Mod. Length	Cat No.	Mod. Length	Cat No.	Mod. Length
Interface Module Channel Mounted		IMCC/4P	35	IMDS/4P	35	IMDCK/6	35
		IMCC/8P	55	IMDS/8P	55	IMDCK/14	55
		IMCC/12P	75	IMDS/12P	75	IMDCK/22	75
		IMCC/16P	95	IMDS/16P	95	IMDLT/8-4	55
		IMCC/20P	115	IMDS/20P	115	IMDLT/10-5	65
		IMCC/24P	135	IMDS/24P	135	IMDLT/12-6	75
				IMDCA/6	35	IMDLT/20-10	115
				IMDCA/14	55		
				IMDCA/22	75		
Interface Module Panel Mounted		IMCCP/4P	35	IMDSP/4P	35	IMDCKP/6	35
		IMCCP/8P	55	IMDSP/8P	55	IMDCK/14	55
		IMCCP/12P	75	IMDSP/12P	75	IMDCKP/22	75
		IMCCP/16P	95	IMDSP/16P	95	IMDLTP/8	55
		IMCCP/20P	115	IMDSP/20P	115	IMDLTP/10	65
		IMCCP/24P	135	IMDSP/24P	135	IMDLTP/12	75
				IMDCAP/6	35	IMDLTP/20	115
				IMDCAP/14	55		
				IMDCAP/22	75		



Interface Modules

TECHNA IDC MODULES offer compact Ribbon Connector Modules which provide an interface between multi wire flat cables outfitted with IDC connector and discrete wires. The standard modules can interface 10-64 signals for conversion of prefabricated IDC headers to screw clamp terminal block.

D-SUB MODULES: D-SUB Modules provides Interface for 9-50 signals through D-Sub to Screw Clamp Terminal Blocks, which can be used to link process wiring.

The Standard modules are available in 9-50 pin configuration in Male and Female connectors.

Note: The connection in the modules is between IDC or D-SUB connectors and Double Level Screw Clamp Terminal Blocks. The Modules can be used in Communications, data processing, process control & other industrial applications.



Ttec IM

Model	Ttec IMDC		Ttec IMD-SUBF		Ttec IMD-SUBM	
Operating Voltage	250 V ≈					
Rated Current	2.5 A					
Terminal Block Pitch	5.08 mm					
Rated Cross Section	0.5 - 2.5 sq. mm / 24-14 AWG					
Stripping Length	8.3 mm					
Voltage Rating (Terminal Block)	450 V / 300 V					
Current Rating (Terminal Block)	16 A / 15 A					
PCB Track Current rating	3 A					
	Cat No.	Length mm	Cat No.	Length mm	Cat No.	Length mm
Interface Module Channel Mounted	IMDC/10	38	IMD-SUBF/9	41	IMD-SUBM/9	41
	IMDC/14	48	IMD-SUBF/15	56	IMD-SUBM/15	56
	IMDC/16	53	IMD-SUBF/25	81	IMD-SUBM/25	81
	IMDC/20	63	IMD-SUBF/37	115	IMD-SUBM/37	115
	IMDC/26	80	IMD-SUBF/50	142	IMD-SUBM/50	142
	IMDC/34	99				
	IMDC/40	115				
	IMDC/50	139				
	IMDC/60	165				
	IMDC/64	175				
Interface Module Panel Mounted	IMIDCP/10	38	IMD-SUBFP/9	41	IMD-SUBMP/9	41
	IMIDCP/14	48	IMD-SUBFP/15	56	IMD-SUBMP/15	56
	IMIDCP/16	53	IMD-SUBFP/25	81	IMD-SUBMP/25	81
	IMIDCP/20	63	IMD-SUBFP/37	115	IMD-SUBMP/37	115
	IMIDCP/26	80	IMD-SUBFP/50	142	IMD-SUBMP/50	142
	IMIDCP/34	99				
	IMIDCP/40	115				
	IMIDCP/50	139				
	IMIDCP/60	165				
	IMIDCP/64	175				

Interface Modules Accessories

TECHNA standard or custom printed circuit boards in Mounting Tracks (MT) can be conveniently DIN rail or panel mounted.

Tracks are easily cut to size or can be ordered precut to specific lengths.

They can be easily assembled from standard components and snap onto Din 35/Din 32 rails, or be panel mounted. Each track has two sets of printed circuit board guides to accept two alternate board widths.

End Section (plates) are held in place with screws, securing the circuit board and also eliminating the possibility of foreign objects entering the assembly.

Din Rail Mounting: To mount on DIN Rail, order two or more MFMT DIN Rail Mounting Feet. These feet slide into grooves on the Mounting track (MT). After sliding the feet onto the track fit two ESMT End Sections to complete the assembly.

Panel Mounting: Order two ESPMT Panel Mount End Sections, each with an integral mounting flange with a 6mm x 8mm hole slot.

Note: ESMT & ESPMT are supplied with a set of screws.

TECHNICAL DATA:

- Standard Length: 1m or 2m
- Track Material: PVC
- Short term Temperature: 80 °C
- Continuous Temperature: 70 °C
- End Section, foot material (Polyamide 6.6)
- Preassembled/Precut Lengths of MT available.
- Tracks accept Standard 'K' Marking Tags for identification.

Channel Mounting Track Assembly



TTEC MT

Panel Mounting Track Assembly



TTEC MFMT



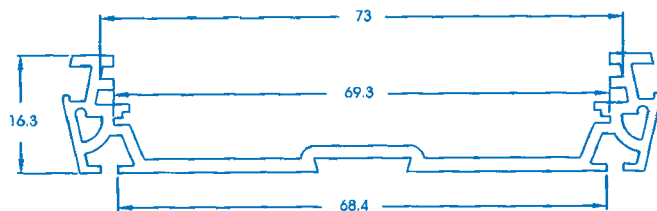
TTEC ESMT



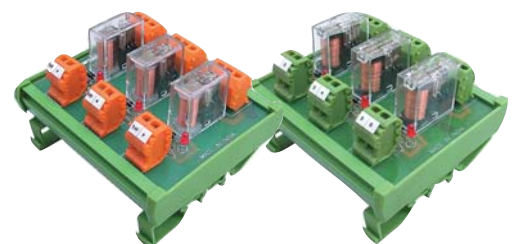
TTEC ESPMT

Cat. No/Type	MT/1 (For 1m)	MT/2 (For 2m)	Cat. No/Type	MFMT
Suitable For	Mounting PCB of width 73 / 69.3mm		Suitable For	Channel Mounting (Din32 / Din35) of MT

Cat. No/Type	ESMT	Cat. Space	ESMT
Suitable For	For channel Mounting of MT	Suitable For	For panel mounting of MT







Relay interface modules available in any configuration - please enquire



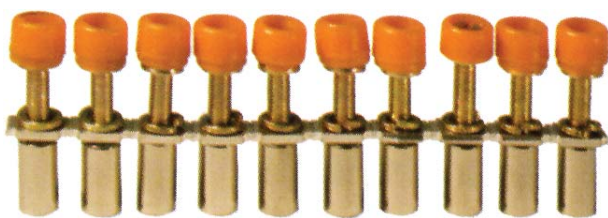
Accessories

End Clamp/Stop

End Clamps/ Stops keep the End Plate in Position. End Clamps should be fixed on both sides of terminal block assemblies. Polyamide 6.6 End Clamps are designed to fix in Din 32, Din 35 & Din 15 rails. The end clamps have suitable recesses to accommodate marking tags for group identification.

	Ttec CA602	Ttec CA702	Ttec CA802	Ttec CA202
				
Cat. No./ Type	CA602 (Polyamide 6.6)	CA702 (Polyamide 6.6)	CA802 (Polyamide 6.6)	
Dimensions (H x W x T)	20 x 28 x 8	34 x 44 x 9	45 x 32 x 8	
Suitable For	Din 15 Rail	Din 32/Din 35 Din 35-15 Rails	Din 35 Din 35-15 Rails	

Connecting Accessories



Insulated Pre Assembled Shorting Links are an ideal choice for quick, permanent cross connections of terminal. Available in 2/3/4/10/100 pole assembly, the Pre Assembled Shorting Links have the following advantages.

- Eliminates the possibility of lost sleeves/screws while cross connecting.
- Insulated captive screws makes the assembly shock proof/finger safe.
- Simplifies the task of cross connection.



In screwless spring clamp type terminal blocks cross connections are achieved by using various push in type shorting links. The cross connecting shorting links need to be inserted into the rectangular slots provided in the current bar of the terminal block.

- Use 2 way insulated push-in type Shorting Links to short 2 Consecutive Terminal Blocks.
- For shorting any two terminal blocks in between a series of 10 terminal blocks, use insulated push in type Wire shorting links.

Markers

IDENTIFICATION of individual electrical components in the switchgear is one of the major pre-requisites for straightforward & safe work. All Techna terminals are constructed with recess for marking tags. Each terminal block has its own marking system. Most terminals are designed to accommodate two marking tags. Marking tags are available in choices of horizontal or vertical imprints.

K TYPE Polyamide marking tags in strips facilitates quick and easy fixing on assembled terminal blocks. The strip comprising of 5 or 10 markers can be fixed on assembled terminals in one stroke. The strip can be detached easily at any point. K Type markers have large surface areas and better visibility. **SUITABLE FOR:** all U-series Terminals

MOUNTING TYPE PVC marking tags are to be detached into single tags and mounted on the rib provided in the terminal block. **SUITABLE FOR:** Stud-type Terminal Blocks

GROUP MARKER These marking tags in Polyamide 6.6 have large blank surface areas and can be used for group identification. These markers can be fixed on the Polyamide 6.6 end clamp or on the terminal block.

PRE-PRINTED MARKERS CAN BE SUPPLIED IN HORIZONTAL OR VERTICAL IMPRINTS IN THE FOLLOWING TYPES

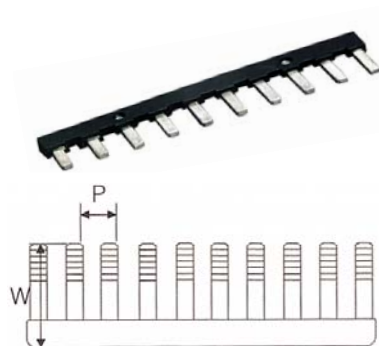
HORIZONTAL PRINT	1	2	3	4	5	6	7	8	9	10
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VERTICAL PRINT	1	2	3	4	5	6	7	8	9	10
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Comb Links

Wherever terminal blocks cannot be connected using conventional methods of cross connection of standard shorting links use Comb Type shorting links instead.

Multi pole comb links provide a choice of consecutive shorting or alternate shorting. These links are insulated which makes them shock proof.



Suitable For	P	W
CTS2.5UN/2.5UNCR	5	13
CTS4UN/4UNCR/CMC1-2/CMC2-2/CMB4	6	17.5
CDL4U/ODL4U/CKT4U	6	17.5
CDTTU/CTS6U	8	21.5
CAFL4U Series	9	21.5
CTS10U/10UCR	10	25
CTL2.5U Series	6	16

Note: P - Pitch, W - Width

Group Marker Holder

TECHNA offers Group Marker Holders in two versions:

- GMH1 to GMH5 (To be mounted on End Clamp)
- GMH6 & GMH7 (for Direct mounting on DIN rail).

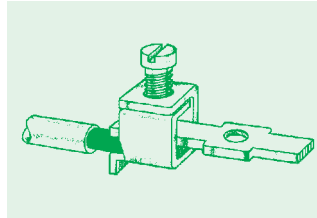
GMH1 to GMH5 can be inserted in the groove of the End Clamp and are intended for group identification of terminals used in the assembly. .

GMH6 & GMH7 are intended for custom identification independent of actual terminals used in the assembly. A sticker/paper can be inserted in the slot which will be covered by a transparent acrylic sheet.

	Ttec GMH1	Ttec GMH2	Ttec GMH3	Ttec GMH4
				
Mountable on	CA602	CA802	CA702	CA802

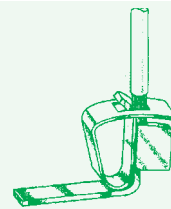
	Ttec GMH5	Ttec GMH6	Ttec GMH7
			
Mountable on	CA602	CA802	CA702

Methods of Wire Connection



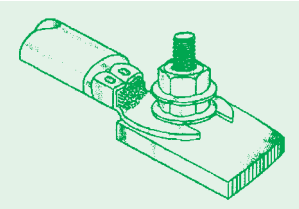
Screw Clamp Connection

SUITABLE for all types of wire. Connection is made by stripping the wire of its insulation & clamping without additional preparation. The clamping screw does not act directly on the wire, preventing damage.



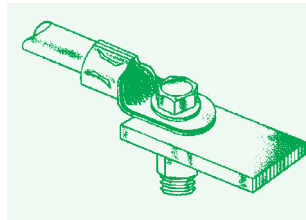
Screwless Spring Clamp Connection

SUITABLE for all types of wire. Connection is made by stripping the wire of its insulation & inserting the wire into the terminal block where it is held against the current carrying part by a pre stressed Spring Clamp.



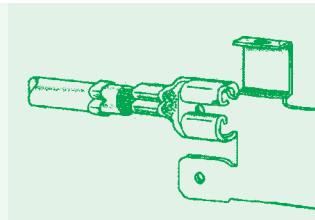
Cable Lug Connection

PREFERRED for connections that are subjected to very severe vibration. Wire is crimped to a ring / fork type lug and screwed to the flat current bar in the terminal block.



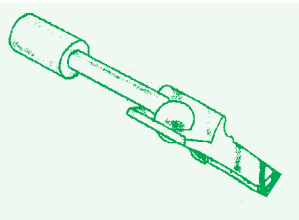
Cable Lug/Bus Bar Connection

PREFERRED for wires of large cross section. The conductor is fitted with a lug and bolted on to the flat current bar. This method is also ideal for connections subjected to severe vibration.



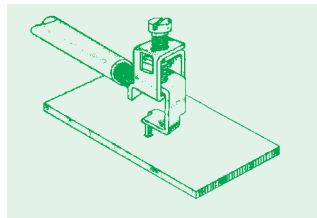
Tab Connection

PREFERRED where the connected wire is to be disconnected and reconnected frequently as demanded by specific applications. The tab sleeve with crimped wire is pushed onto the terminal block.



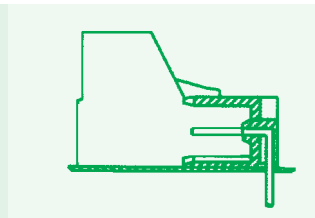
Solder Connection

SUITABLE for wires having cross section up to 2.5 sq.mm. In this case the wire is soldered to a solder lug.



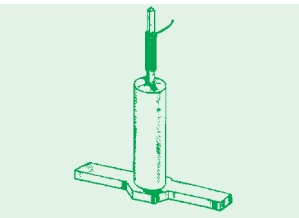
Solder Connection to Printed Circuit Board

INVOLVES direct soldering of pins of terminal blocks arranged at standard pitch into the printed circuit board.



Plug In Male - Female Connection

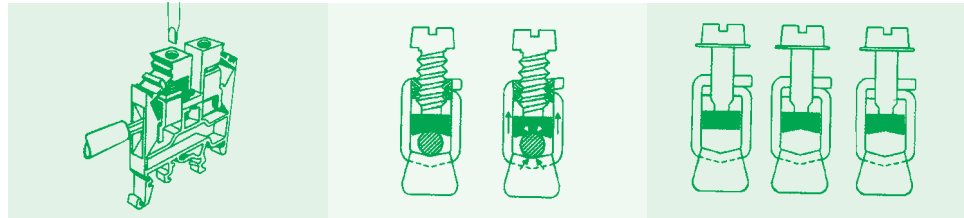
INVOLVES soldering of male Connector pins to PCB and plugging pre wired female connector for making the connection.



Wire Wrap Connection

SUITABLE for connecting thin solid wire. The wire is wrapped to a square pin provided in the Terminal Block. A special tool is required for wrapping the wire to the square pin.

Ttec Technical Information



THE most popular method of wire termination is the screw clamp connection. In comparison with other methods it offers the following advantages:

- Suitable for all cross-connections and types of wires.
- Wires can be connected without any special preparation.
- Vibration proof termination is guaranteed.
- Wire can be connected and disconnected simply by using an ordinary screwdriver.
- High tightening torque due to cold-forged rolled, threaded screws.

The steel clamping screw produces contact force. The steel clamping yoke transmits this force by pressing the conductor against the current bar. The current bar is made from either electrolytic copper or 63/37 brass. Plating of tin ensures excellent continuous contact and provides good protection against corrosion. Even the best electrical conductor materials are worthless without the required

contact force to press the connected wire to the contact surface of the current bar. For this reason, clamping yokes and screws are made from steel. The steel parts are zinc plated and additionally passivated by a yellow chromate layer in order to achieve the highest possible degree of corrosion resistance. When the clamping screw is tightened the clamping yoke is pulled upwards pressing the wire against the current bar. The clamping yoke and current bar are serrated. The serrations of the current bar cut through the oxide skin of the wire on tightening, providing many contact lines. The serrations of the clamping yoke increase the grip on the wire. When the wire is tightened, the clamping pressure pulls the top threaded surface of the yoke. This exerts an extra high locking action on the clamping screw.

Any changes caused by temperature variation are effectively equalised by the elasticity of steel. This provides an excellent vibration resistance.

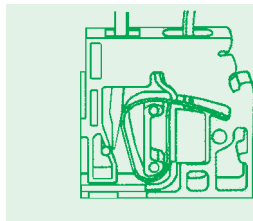
Large pressure areas on the

clamping yoke prevent notching, which could otherwise lead to possible wire fracture. The clamping yokes are made in various sizes and shapes to accommodate wires of different cross-sections. A flat clamping area ensures safe gripping of wires of smaller cross sections. Flange/Tail of the clamping yoke prevents false entry of the wire underneath the yoke.

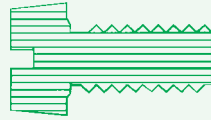
The following characteristics make screw-clamp connections user friendly, versatile and sturdy.

- Strong contact force, absolutely gas tight.
- Very low contact resistance.
- An excellent vibration-proof protection against loosening.
- A reliable electrical and mechanical connection.
- Ease of handling.

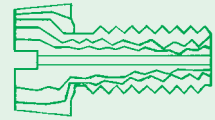
TTEC Technical Information



Screwless Spring Clamp



Structure of Turned Screw



Structure of rolled screw

'Screwless' Spring Clamp Connection

SCREWLESS Spring Clamp connection is as versatile as Screw Clamp connection. The wire is held against the electrolytic copper current bar directly by a pre-stressed spring clamp. The spring is operated by using a screw driver to provide access to the wire through the opening in the spring clamp. The wire end is clamped to the current bar on removal of the screw driver. High quality stainless steel spring clamps ensure good connection of wire with minimal contact resistance.

Spring clamps offer the following characteristics:

- Easy to operate, versatile and vibration proof.
- Minimal contact resistance because of gas tight connection made possible by high quality stainless steel materials.
- Fail proof, safe and maintenance free connection.
- Surface treated (tin plated) electrolytic copper current bar ensures oxidation free contact.

Material

Techna terminal blocks are made of carefully selected insulating materials, clamping & conducting metals which are subjected to strict quality control as demanded by stringent international standards.

Clamping Screws

One of the most important parts of the terminal block is the screw. The quality of the connection depends mainly on the quality of the screw. The screw must not become damaged and should withstand a higher torque than that stipulated in the specification. The screw should not weld with the metal of the main thread, even at the highest stress.

Techna terminal blocks employ **cold forged rolled threaded steel screws**. In cold forged rolled threaded screws, material is compressed and therefore strengthened. This is superior to standard turned screws, where material is removed between the threads when it is cut – due to this and the stress concentration on the neck of the screw, the turned screw is considerably weaker in strength.

The screws are zinc plated and chromate passivated to produce good galvanic surfaces.

Clamping yoke

Clamping yokes in carefully selected grades of steel ensure high torque performance necessary for gas tight connections. The clamping components (both screws and yokes) are electroplated with zinc and passivated by additional golden yellow chromate coating. Zinc provides cathodic protection to steel. Therefore the effect of protection against corrosion is still retained even if the plating becomes partially damaged by scratches.

The clamping components of some Techna terminals are made of copper alloys. Such components are electroplated with either nickel or tin to ensure oxidation free performance.

Current carrying/ Conducting Components

The current carrying components are made of electrolytic grade copper or copper alloy to ensure very low contact resistance. The components are electroplated with tin/nickel/tin-lead to provide oxidation free contact.

Terminal Quick Reference Guide

Quick reference table: Standard screw terminals range

Available sizes in standard screw clamp terminals	Terminal pitch	Height x width	Stripping length	Connection possibility		Voltage Rating			Torque			Partition plate	End Plate	Marking tags (K type)
				Stranded wire	Solid wire	600 V	750V	600V	According to					
						Current Rating			According to			(Part numbers)		
				mm ²		CSA	VDE	UL	CSA	VDE	UL			
2.5sqmm	5mm	45 X 43 mm	9mm	0.5 to 2.5	0.5 to 2.5	20A	24A	20A	7 lb-in	0.4 Nm	7 lb-in	PP2.5/4UN	EP2.5/4UN	CA509 / K5
4sqmm	6mm	45 X 43 mm	9mm	0.5 to 4.0	0.5 to 6.0	25A	32A	40A*	7 lb-in	0.5 Nm	7 lb-in	PP2.5/4UN	EP2.5/4UN	CA509 / K6
6sqmm	8mm	47 X 43 mm	12mm	1.5 to 6.0	1.5 to 10.0	50A	41A	50A	9 lb-in	0.8 Nm	14 lb-in	PP6/10U	EP 6/10U	CA509 / K8
10sqmm	10mm	47 X 43 mm	12mm	1.5 to 10.0	1.5 to 16.0	65A	57A	65A	14 lb-in	1.2 Nm	14 lb-in	PP6/10U	EP 6/10U	CA509 / K10
16sqmm	12mm	47 X 43 mm	16mm	6.0 to 16.0	6.0 to 25.0	70A	76A	70A	14 lb-in	2.0 Nm	14 lb-in			CA509 / K12
25sqmm	12mm	56 X 49 mm	18mm	6.0 to 25.0	6.0 to 35.0	115A	101A	115A	14 lb-in	2.0 Nm	14 lb-in	PP25U	EP 25/35U	CA509 / K12
35sqmm	15mm	58 X 52.5 mm	18mm	10.0 to 35.0	10.0 to 50.0	145A	125A	145A	25 lb-in	2.5 Nm	25 lb-in	PP35U	EP 35U	CA509 / K15
50sqmm	20.5mm	75.5 X 71 mm	22mm	16.0 to 50.0	16.0 to 70.0	150A	150A	150A	60 lb-in	6.8 Nm	60 lb-in			CA509 / K20
95sqmm	25mm	90 X 83 mm	24mm	16.0 to 95.0	16.0 to 120.0	230A	232A	230A	160 lb-in	18.2 Nm	160 lb-in			CA509 / K25

Quick reference table: Distribution blocks

Available types in distribution blocks	Terminal block pitch	Stripping length	Connection possibility Wire size			Voltage current Rating						Torque						Marking tags (K type)	
			INPUT		OUTPUT WIRE	600 V		800V		600V		According to							
			Stranded / Solid		Stranded	Solid	CSA		VDE		UL		CSA		VDE		UL		(Part Nos.)
			mm ²			In	Out	In	Out	In	Out	In	Out	In	Out	In	Out		
TtecCDB4	6mm	9mm	1.5 to 16	0.5 to 4	0.5 to 6	50A	25A		32A	50A	25A	26 lb-in	7 lb-in	2 Nm	0.5 Nm	26 lb-in	7 lb-in	CA509 / K6	
TtecCDB4(1)	6mm	9mm	1.5 to 16	0.5 to 4	0.5 to 6	50A	25A		32A	50A	25A	26 lb-in	7 lb-in	2 Nm	0.5 Nm	26 lb-in	7 lb-in	CA509 / K6	
TtecCDB6	8mm	12mm	06 to 25	1.5 to 6	1.5 to 10	95A	50A		41A	100A	50A	25 lb-in	9 lb-in	3 Nm	0.8 Nm	35 lb-in	14 lb-in	CA509 / K8	
TtecCDB10	10mm	12mm	10 to 35	1.5 to 10	1.5 to 16	125A	65A		57A	130A	65A	53 lb-in	14 lb-in	6 Nm	1.2 Nm	53 lb-in	14 lb-in	CA509 / K10	
TtecCMB4	6mm	9mm		0.5 to 4	0.5 to 6	125A	25A	76A	32A	70A	25A	7 lb-in		0.5 Nm		7 lb-in		CA509 / K6	
TtecCMB6	8mm	12mm		1.5 to 6	1.5 to 10	115A	50A	101A	41A	115A	50A	9 lb-in		0.8 Nm		14 lb-in		CA509 / K8	
TtecCMB10	10mm	12mm		1.5 to 10	1.5 to 16	145A	65A	125A	57A	145A	65A	14 lb-in		1.2 Nm		14 lb-in		CA509 / K10	

Quick reference table: Grounding (earth) terminals range

Available sizes in grounding (earth) terminals	Terminal pitch	Height x width (mm)	Stripping length	Connection possibility		Current rating	Voltage rating (with adjacent terminal)	Torque			End Plate	Marking tags (K type)
				Stranded wire	Solid wire			According to				
						mm ²		(Amps)	(V)	CSA	VDE	UL
Ttec CGT4U	6mm	48 X 43	9mm	0.5 to 4.0	0.5 to 6.0	32 A	800 V	7 lb-in	0.5 Nm	7 lb-in	EPCGT4U	CA509 / K6
Ttec CGT4N	6mm	45.4 X 54.2	9mm	0.5 to 4.0	0.5 to 6.0	32 A	800 V	7 lb-in	0.5 Nm	7 lb-in		CA509 / K6
Ttec CGT6N	8mm	47 X 54.5	12mm	1.5 to 6.0	1.5 to 10.0	41 A	800 V	14 lb-in	0.8 Nm	14 lb-in		CA509 / K8
Ttec CGT10U	10mm	50 X 45	12mm	0.5 to 10.0	0.5 to 16.0	57 A	800 V	14 lb-in	1.2 Nm	14 lb-in		CA509 / K10
Ttec CGT35U	16mm	61.5 X 58	18mm	10.0 to 35.0	10.0 to 50.0	125 A	800 V	25 lb-in	2.5 Nm	25 lb-in		CA509 / K15
Ttec CGMT4	6mm	28.5 X 27	9mm	0.5 to 4.0	0.5 to 6.0	32 A	400 V	7 lb-in	0.5 Nm	7 lb-in		CA509 / K2

Quick reference table: Spring clamp earth terminals

Available sizes in screw less spring clamp terminals	Terminal pitch	Height x width	Stripping length	Connection possibility		Current rating	Voltage rating	Marking tags (K type)
				Flexible stranded	Rigid solid			(Part Nos.)
				mm ²				
Ttec CSCG2.5T	5mm	36 X 58 mm	9mm	0.5 to 2.5	0.5 to 4.0	24A	800V	CA509 / K5
Ttec CSCG4T	6mm	42 X 65 mm	9mm	0.5 to 4.0	0.5 to 6.0	32A	800V	CA509 / K6
Ttec CSCG6T	8mm	45 X 72 mm	12mm	0.5 to 6.0	0.5 to 10.0	41A	800V	CA509 / K8

Quick reference table: Angular spring clamp terminals

Available sizes in angular spring clamp terminals	Terminal block pitch	Height x width	Stripping length	Connection possibility		Voltage Rating			End plate	Marking tags (K type)
				Stranded wire	Solid wire	600 V	800V	600V		(Part numbers)
				mm ²		Current Rating				
				CSA	VDE	UL				
Ttec CSC2.5A	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	20A	24A	20A	EPCSC2.5A	CA509 / K5
Ttec CSC2.5A1-2	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	20A	24A	20A	EPCSC2.5A1-2	CA509 / K5
Ttec CSC2.5A2-2	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	20A	24A	20A	EPCSC2.5A2-2	CA801 / 1-3
Ttec CSC4A	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	25A	32A	25A	EPCSC4A	CA801 / 2-3
Ttec CSC4A1-2	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	25A	32A	25A	EPCSC4A1-2	CA801 / 2-3
Ttec CSC4A2-2	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	25A	32A	25A	EPCSC4A2-2	CA801 / 2-3

Quick reference table: Angular spring clamp earth terminals

Available sizes in angular spring clamp terminals	Terminal block pitch	Height x width	Stripping length	Connection possibility		Voltage (volts)	Current rating (amps)	Marking tags (K type)
				Stranded wire	Solid wire			(Part Nos.)
				mm ²				
Ttec CSCG2.5A	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	800 V	24A	CA509 / K5
Ttec CSCG2.5A1-2	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	800 V	24A	CA509 / K5
Ttec CSCG2.5A2-2	5mm	42 X 54 mm	9mm	0.5 to 2.5	0.5 to 4.0	800 V	24A	CA509 / K5
Ttec CSCG4A	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	800 V	32A	CA509 / K6
Ttec CSCG4A1-2	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	800 V	32A	CA509 / K6
Ttec CSCG4A2-2	6mm	46 X 61.5 mm	9mm	0.5 to 4.0	0.5 to 6.0	800 V	32A	CA509 / K6