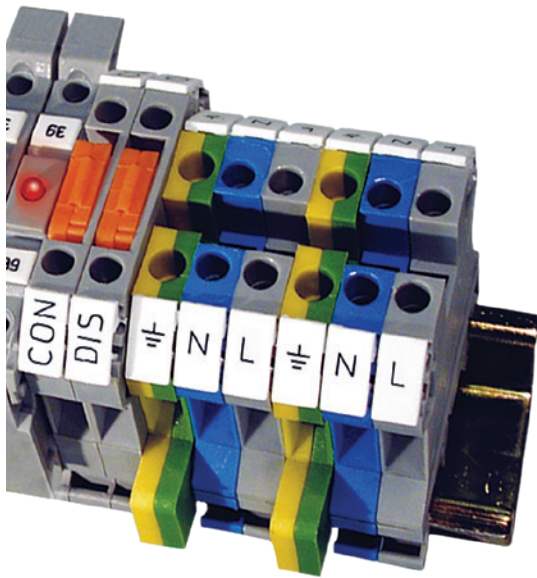


Ttec Terminals and Distribution Blocks



Ttec are our extensive range of Screw Clamp, Spring Clamp and Stud Type Terminal Blocks to suit all of your connection requirements.

All of our Terminals are tested to the highest standards and are suitable for use in the harshest environments. Multiple variations available including:

- Angular
- Feed Through
- Multiple Level
- Disconnect & Test
- Fused
- Neutral
- Earth & Grounding
- Multiple Connection
- Thermocouple

Key for Circuit Diagrams:

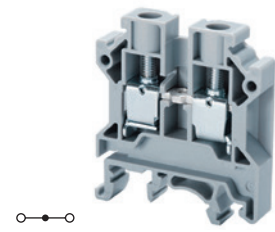
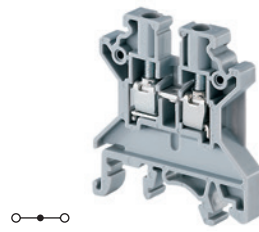
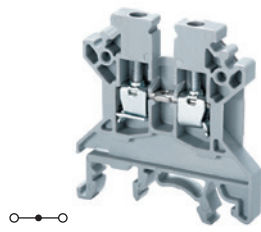
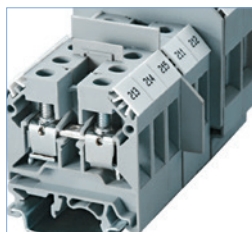
- = Cable Connection
- ⊕ = Neon
- = Shorting Link Connection
- / — = Slide Link Connection
- ⊥ = Grounding Point
- Y = Test Connection Point
- | — = Fuse
- | — = Knife Contact Connection
- | — = Diode
- └ = Pluggable Termination Point (Tab/Block)
- | — = Resistor
- | — = Component Plug
- | — = LED

Standard Feed Through Screw Clamp Terminal Blocks

Standard Feed Through Screw Clamp Terminals are the most versatile terminals. The range includes terminals for wires of size 0.5 to 120 mm². A special design feature on the flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screwdriver.

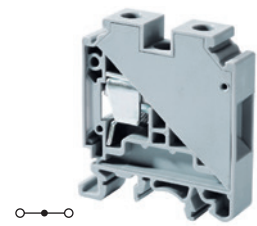
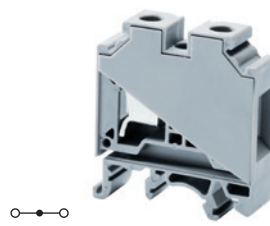
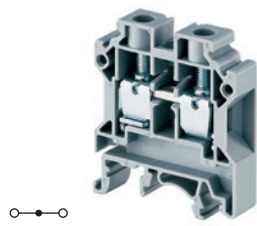
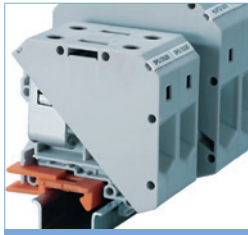
The terminals have marker-holding recesses to accept most of the International K/Insert type marking tags. Cross connection can be achieved with the aid of Shorting Links/Sleeves.

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 AEX ell & Ex ell and can be used in Class 1, Zone 1 hazardous locations. The Terminal Blocks comply to EN 50019.

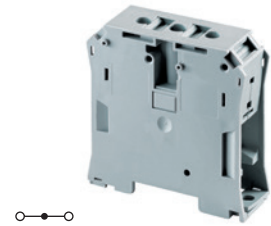
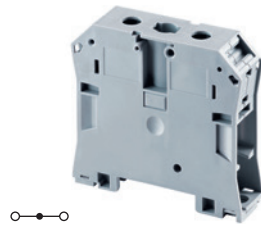
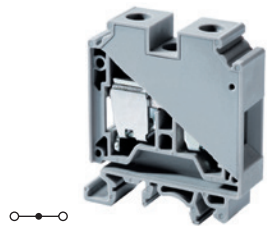


Model	Ttec CTS2.5UN				Ttec CTS4UN				Ttec CTS6U			
Width (Thickness) x Length	5 x 43 mm				6 x 43 mm				8 x 43 mm			
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	46.2 mm / 53.7 mm / 51.1 mm				46.2 mm / 53.7 mm / 51.1 mm				47.8 mm / 55.5 mm / 52.8 mm			
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA		IEC		UL - CSA	
Stranded Wire	0.2 - 2.5 mm ²		22 - 12 AWG		0.2 - 4 mm ²		22 - 10 AWG		0.5 - 6 mm ²		22 - 8 AWG	
Solid Wire	0.2 - 4 mm ²		22 - 10 AWG		0.2 - 6 mm ²		—		0.5 - 10 mm ²		—	
Wire Stripping Length	8 mm				8 mm				9 mm			
Type of Connection	Screw Clamp				Screw Clamp				Screw Clamp			
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7
Voltage	1000 V	600 V	600 V	690 V	1000 V	600 V	600 V	690 V	1000 V	600 V	600 V	690 V
Current	24 A	25 A	25 A	21 A	32 A	35 A	35 A	28 A	41 A	50 A	50 A	36 A
Torque	0.4 Nm	7 lb-in	7 lb-in	0.4 Nm	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	0.8 Nm	14 lb-in	14 lb-in	0.8 Nm
Certification												
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3				8 KV/3			

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Model	Ttec CTS10U				Ttec CTS16U				Ttec CTS25UN			
Width (Thickness) x Length	10 x 43 mm				12 x 43 mm				12 x 48 mm			
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	47.8 mm / 55.5 mm / 52.8 mm				47.8 mm / 55.5 mm / 52.8 mm				57.2 mm / 64.7 mm / 62.3 mm			
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA		IEC		UL - CSA	
Stranded Wire	0.5 - 10 mm ²		16 - 6 AWG		0.2 - 16 mm ²		20 - 4 AWG		4.0 - 25 mm ²		14 - 2 AWG	
Solid Wire	-		-		-		-		-		-	
Wire Stripping Length	11 mm				12 mm				14 mm			
Type of Connection	Screw Clamp				Screw Clamp				Screw Clamp			
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7
Voltage	1000 V	600 V	600 V	690 V	1000 V	600 V	600 V	690 V	1000 V	600 V	600 V	690 V
Current	57 A	65 A	65 A	50 A	76 A	85 A	70 A	66 A	101 A	105 A	85 A	88 A
Torque	1.2 Nm	14 lb-in	14 lb-in	1.2 Nm	1.2 Nm	14 lb-in	14 lb-in	2.0 Nm	2.0 Nm	30 lb-in	18 lb-in	2.0 Nm
Certification												
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3				8 KV/3			



Model	Ttec CTS35UN				Ttec CTS50/70N			Ttec CTS95/120N		
Width (Thickness) x Length	16 x 50.5 mm				20.5 x 77 mm			27 x 85 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	59.2 mm / 66.7 mm / 64.3 mm				71.1 mm / 78.1 mm / -			83 mm / 90.5 mm / -		
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	4 - 35 mm ²		12 - 1/0 AWG		10 - 70 mm ²		8 - 2/0 AWG	25 - 120 mm ²		2 - 250 kcmil
Solid Wire	-		-		10 - 70 mm ²		8 - 2/0 AWG	25 - 120 mm ²		2 - 250 kcmil
Wire Stripping Length	15 mm				22 mm			24 mm		
Type of Connection	Screw Clamp				Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	1000 V	600 V	600 V	800 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Current	125 A	150 A	130 A	109 A	192 A	175 A	175 A	269 A	240 A	240 A
Torque	2.5 Nm	30 lb-in	25 lb-in	2.5 Nm	3.0 Nm	38 lb-in	38 lb-in	6.0 Nm	90 lb-in	90 lb-in
Certification										
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3			8 KV/3		

Double Level Screw Clamp Terminal Blocks

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

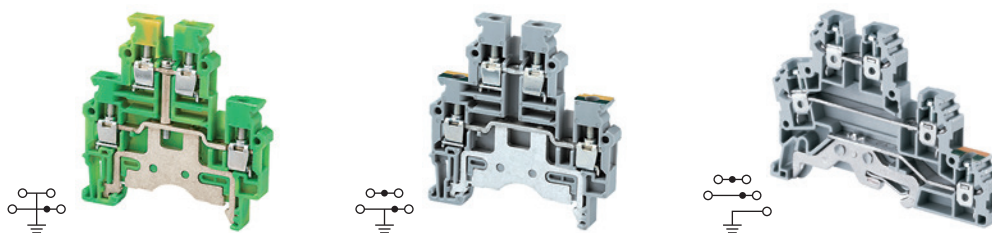
- Double wiring density available without extension of mounting rails.
- Marking/identification by marking tags possible at both levels.
- Interconnection/shorting can be done at both levels.
- Marking facility at the centre of the terminal.

Ttec CDL4UN(IS) internally shorted Double Level Terminals are useful for distribution applications as they feature internal shorting links that connect both levels together.

Ttec CDLG4(IS) is a grounding terminal with the same profile of the Ttec CDL4UN Terminal Block.



Model	Ttec CDL4UN			Ttec CDL4UN(IS)			
Width (Thickness) x Length	6 x 57 mm			6 x 57 mm			
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	59.5 mm / 67.2 mm / 64.5 mm			59.5 mm / 67.2 mm / 64.5 mm			
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA		
Stranded Wire	0.2 - 4 mm ²	22 - 10 AWG		0.2 - 4 mm ²	22 - 10 AWG		
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-		
Wire Stripping Length	9 mm			9 mm			
Type of Connection	Screw Clamp			Screw Clamp			
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	800 V	600 V	600 V	550 V	800 V	600 V	600 V
Current	32 A	35 A	35 A	28 A	32 A	35 A	35 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	0.5 Nm	7 lb-in	7 lb-in
Certification							
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			



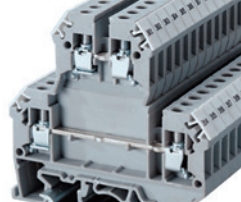
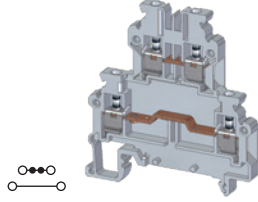
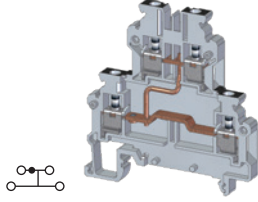
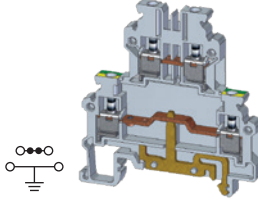
Model	Ttec CDLG4(IS)			Ttec CDLG4			Ttec CDLG2.5	
Width (Thickness) x Length	6 x 57 mm			6 x 57 mm			6 x 71.1 mm	
Height with DIN-Rail: 35 x 7.5 mm / 35 x 15 mm	59.5 mm / 67.2 mm			59.5 mm / 67.2 mm			52.5 mm / 61 mm	
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA		IEC	UL - CSA
Stranded Wire	0.2 - 4 mm ²	24 - 10 AWG		0.2 - 4 mm ²	24 - 10 AWG		0.2 - 2.5 mm ²	24 - 12 AWG
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-		0.2 - 4 mm ²	24 - 10 AWG
Wire Stripping Length	8 mm			8 mm			9 mm	
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp	
Ratings as per	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60947-7-2	UL-1059
Voltage	-	-	-	500 V	150 V	150 V	500 V	300 V
Current	-	-	-	32 A	32 A	30 A	24 A	24 A
Torque	0.5 Nm	4.5 lb-in	4.5 lb-in	0.5 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in
Certification								
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			6 KV/3	

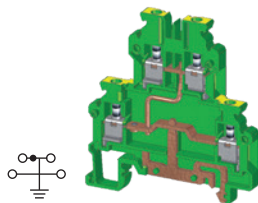
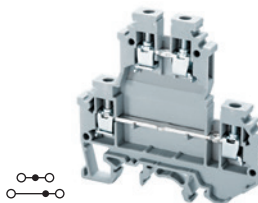
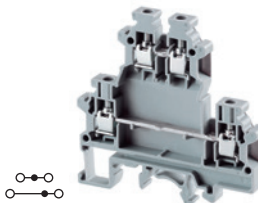
Offset Double Level Screw Clamp Terminal Blocks

Offset Double Level Terminal Blocks are like the Ttec CDL Double Level terminals providing separate connections at two different levels. The top level is offset from the bottom level by half the thickness of the Terminal Block. In the Ttec ODL Terminal Block:

- Inter connection/shorting can be done at both levels.
- Marking tags on the bottom are not obstructed by wires connected at top.
- We recommend you use a Spacer/End Plate at both ends of an assembled set of Ttec ODL Terminal Blocks to create a flat alignment that will enable effective use of end clamps.

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

									
Model	Ttec ODL2.5			Ttec ODL2.5(IS)			Ttec ODLG2.5		
Width (Thickness) x Length	5 x 62 mm			5 x 62 mm			5 x 62 mm		
Height with DIN-Rail: 35 x 7.5 mm / 35 x 15 mm	61 mm / 68.5 mm			61 mm / 68.5 mm			61 mm / 68.5 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	0.2 - 2.5 mm ²		24 - 12 AWG	0.2 - 2.5 mm ²		24 - 12 AWG	0.2 - 2.5 mm ²		24 - 12 AWG
Solid Wire	0.2 - 4 mm ²		–	0.2 - 4 mm ²		–	0.2 - 4 mm ²		–
Wire Stripping Length	8 mm			8 mm			8 mm		
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-2	UL-1059	CSA22.2-158
Voltage	800 V	300 V	300 V	800 V	300 V	300 V	800 V	300 V	300 V
Current	24 A	25 A	25 A	24 A	25 A	25 A	24 A	25 A	25 A
Torque	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in
Certification	CE			CE			CE		
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			8 KV/3		

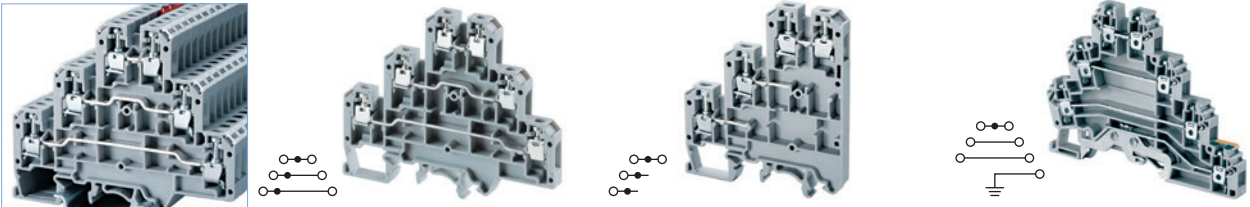
										
Model	Ttec ODLG2.5(IS)			Ttec ODL4U				Ttec ODL4UA		
Width (Thickness) x Length	5 x 62 mm			6 x 68 mm				6 x 68 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	61 mm / 68.5 mm / –			65 mm / 71.7 mm / 69.2 mm				65 mm / 71.7 mm / 69.2 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA		IEC		UL - CSA
Stranded Wire	0.2 - 2.5 mm ²		24 - 12 AWG	0.2 - 4 mm ²		22 - 10 AWG		0.2 - 4 mm ²		22 - 10 AWG
Solid Wire	0.2 - 4 mm ²		–	0.2 - 6 mm ²		–		0.2 - 6 mm ²		–
Wire Stripping Length	8 mm			9 mm				9 mm		
Type of Connection	Screw Clamp			Screw Clamp				Screw Clamp		
Ratings as per	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	CSA22.2-158	
Voltage	800 V	300 V	300 V	800 V	600 V	600 V	550 V	800 V	600 V	
Current	24 A	25 A	25 A	32 A	35 A	35 A	28 A	32 A	35 A	
Torque	0.4 Nm	4.5 lb-in	4.5 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	0.5 Nm	7 lb-in	
Certification	CE			UL	CE	UL	UL	UL	UL	
Rated Impulse Voltage/ Pollution Degree	8 KV/3			6 KV/3				6 KV/3		




Triple Level Screw Clamp Terminal Blocks

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 Ttec CTL2.5UH terminal the top level provides connection points for signal cables while the middle and bottom level connecting points are used for positive and negative power supply. In applications where switching indication is required, choice of Ttec CTL2.5UHL and Ttec CTL2.5UL terminals with built-in LED indicators are available (variations in LED indication are available on request).

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



Model	Ttec CTL2.5U				Ttec CTL2.5UH				Ttec CTLG2.5		
Width (Thickness) x Length	6 x 84 mm				6 x 61 mm				6 x 87.5 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	68 mm / 75.6 mm / 73.8 mm				68 mm / 75.6 mm / 73.8 mm				66 mm / 74 mm / –		
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA		IEC		UL - CSA
Stranded Wire	0.2 - 2.5 mm ²		22 - 12 AWG		0.2 - 2.5 mm ²		22 - 12 AWG		0.2 - 2.5 mm ²		24 - 12 AWG
Solid Wire	0.2 - 4 mm ²		22 - 10 AWG		0.2 - 4 mm ²		22 - 10 AWG		0.2 - 4 mm ²		24 - 10 AWG
Wire Stripping Length	9 mm				9 mm				9 mm		
Type of Connection	Screw Clamp				Screw Clamp				Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	
Voltage	500 V	300 V	300 V	380 V	500 V	300 V	300 V	380 V	440 V	300 V	
Current	24 A	25 A	25 A	21 A	24 A	25 A	25 A	21 A	24 A	24 A	
Torque	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	0.4 Nm	4.5 lb-in	
Certification											
Rated Impulse Voltage/ Pollution Degree	4 KV/3				4 KV/3				6 KV/3		


Earth Grounding Screw Clamp Terminal Blocks



Earth Grounding Terminal Blocks provide very low earth bonding resistance. The terminals have marking recesses provided for identification with marking tags.

Ttec CGT Grounding Terminal 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 Ttec CGT Terminal Blocks are:

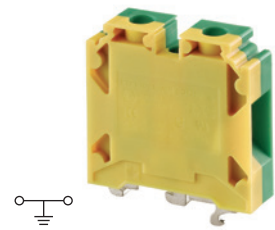
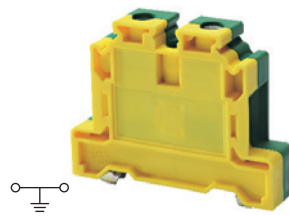
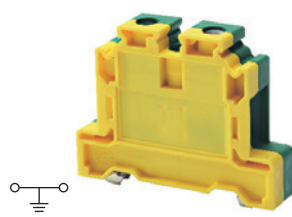
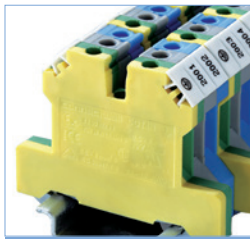
- Versatile tin-plated brass foot for grounding achieves very low bonding resistance.
- Vibration proof grounding can easily be achieved by operating the central screw.
- High torque clamping yokes will easily accept any types of wires.

These Terminal Blocks comply to EN 500019.



Model	Ttec CGT4N				Ttec CGT6N			
Width (Thickness) x Length	6 x 54.5 mm				8 x 54.5 mm			
Height with DIN-Rail: 35 x 7.5 mm / 35 x 15 mm	47 mm / 54.4 mm				48.2 mm / 55.8 mm			
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA	
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG		0.2 - 6 mm ²		22 - 8 AWG	
Solid Wire	0.2 - 6 mm ²		–		–		–	
Wire Stripping Length	8 mm				9 mm			
Type of Connection	Screw Clamp				Screw Clamp			
Ratings as per	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60079-7
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	1.6 Nm	14 lb-in	14 lb-in	0.8 Nm
Certification								
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3			

Techna TERMINALS



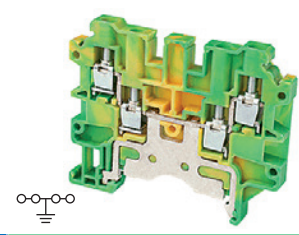
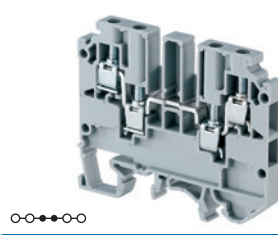
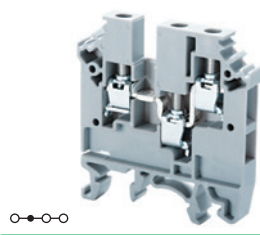
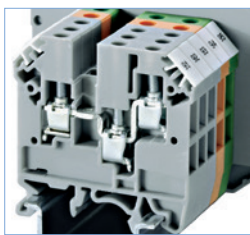
Model	Ttec CGT10N				Ttec CGT16N				Ttec CGT35U			
Width (Thickness) x Length	10 x 55 mm				12 x 55 mm				16 x 58 mm			
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	48.5 mm / 56 mm / -				48.5 mm / 56 mm / -				63.2 mm / 70.5 mm / 68 mm			
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA		IEC		UL - CSA	
Stranded Wire	0.2 - 10 mm ²		16 - 6 AWG		0.2 - 16 mm ²		20 - 4 AWG		2.5 - 35 mm ²		8 - 2 AWG	
Solid Wire	-		-		-		-		-		-	
Wire Stripping Length	11 mm				12 mm				15 mm			
Type of Connection	Screw Clamp				Screw Clamp				Screw Clamp			
Ratings as per	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-2	UL-1059	CSA22.2-158	IEC60079-7
Torque	1.6 Nm	14 lb-in	14 lb-in	1.2 Nm	1.6 Nm	14 lb-in	14 lb-in	2.0 Nm	2.8 Nm	25 lb-in	25 lb-in	2.5 Nm
Certification												
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3				8 KV/3			

Multiple Connection Screw Clamp Terminal Blocks

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. Ttec 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				Ttec CMC4		
Width (Thickness) x Length	6 x 46.5 mm				6 x 65 mm				6 x 65 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	49.5 mm / 56.5 mm / 53.3 mm				53.4 mm / 60.5 mm / 58.7 mm				53.7 mm / 60.9 mm / -		
Connection Possibility as per	IEC		UL - CSA		IEC		UL - CSA		IEC		UL - CSA
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG		0.2 - 4 mm ²		22 - 10 AWG		0.2 - 4 mm ²		24 - 10 AWG
Solid Wire	0.2 - 6 mm ²		-		0.2 - 6 mm ²		-		0.2 - 6 mm ²		-
Wire Stripping Length	9 mm				9 mm				9 mm		
Type of Connection	Screw Clamp				Screw Clamp				Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7	IEC60947-7-2	UL-1059	CSA22.2-158
Voltage	630 V	600 V	600 V	500 V	630 V	600 V	600 V	690 V	-	-	-
Current	32 A	35 A	35 A	28 A	32 A	35 A	35 A	28 A	-	-	-
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	0.5 Nm	4.5 lb-in	4.5 lb-in
Certification											
Rated Impulse Voltage/ Pollution Degree	8 KV/3				8 KV/3				8 KV/3		

Safety Fuse Link Screw Clamp Terminal Blocks

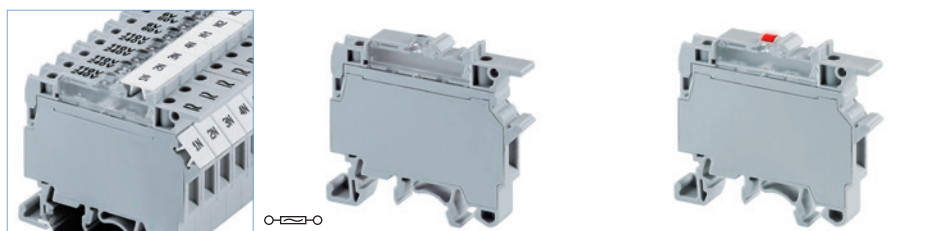
Certain electrical and control systems require protection by fuses. Techna offer Fuse Terminals with built-in Safety Fuse Links which have a hinged carrier that has a specially designed space for cartridge type fuses. The fuse can be engaged or disengaged by the movement of the carrier.

A choice of Safety Fuse Terminals with offline indication is available. The Ttec CF4UL and Ttec CAFL4UL have a specially designed built in circuit that gives LED indication in the event of a fuse blow out. The Ttec CAFL4UN has a built in circuit that gives a NEON indication in the event of a fuse blow out.

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

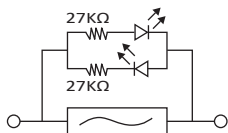
NOTE: Fuse terminals are supplied without fuses.

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

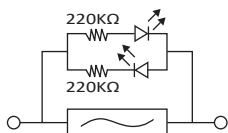


Model	Ttec CF4UL			Ttec CF4UL		
Width (Thickness) x Length	8 x 57 mm			8 x 57 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	50.3 mm / 57.6 mm / 56.5 mm			50.3 mm / 57.6 mm / 56.5 mm		
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA	
Stranded Wire	0.2 - 4 mm ²	22 - 10 AWG		0.2 - 4 mm ²	22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-	
Wire Stripping Length	9.5 mm			9.5 mm		
Type of Connection	Screw Clamp			Screw Clamp		
Fuse Size	ø 5 x 20 / ø 5 x 25 mm			ø 5 x 20 / ø 5 x 25 mm		
LED Indicator Voltage	-			6-60 V AC/DC or 110-240 V AC/DC		
Ratings as per	IEC60947-7-3	UL-1059	CSA22.2-158	IEC60947-7-3	UL-1059	CSA22.2-158
Voltage	800 V	600 V	600 V	800 V	600 V	600 V
Current	6.3 A	10 A	10 A	6.3 A	10 A	10 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in
Certification						
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3		

Circuit Diagrams for Ttec CF4UL & Ttec CAFL4UL

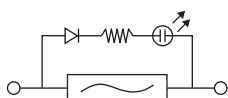


LED Circuit for offline indication in Ttec CF4UL6-60V / Ttec CAFL4UL6-60V

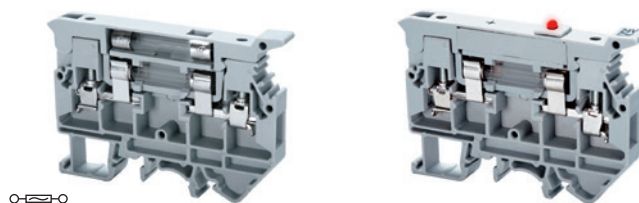


LED Circuit for offline indication in Ttec CF4UL110-240V / Ttec CAFL4UL110-240V

Circuit Diagram for Ttec CAFL4UN



NEON Circuit for offline indication



Model	Ttec CAFL4U / CAFL4UN			Ttec CAFL4UL		
Width (Thickness) x Length	9 x 72 mm			9 x 72 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	55.3 mm / 63 mm / 60.3 mm			55.3 mm / 63 mm / 60.3 mm		
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA	
Stranded Wire	0.2 - 4 mm ²	22 - 10 AWG		0.2 - 4 mm ²	22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-	
Wire Stripping Length	9.5 mm			9.5 mm		
Type of Connection	Screw Clamp			Screw Clamp		
Fuse Size	ø ¼" x 1" / ø ¼" x 1¼"			ø ¼" x 1" / ø ¼" x 1¼"		
LED Indicator Voltage	-			24V AC / DC, 48V AC / DC 110V AC / DC, 220V AC / DC		
Ratings as per	IEC60947-7-3	UL-1059	CSA22.2-158	IEC60947-7-3	UL-1059	CSA22.2-158
Voltage	1000 V	600 V	600 V	1000 V	600 V	600 V
Current	6.3 A	16 A	16 A	6.3 A	16 A	16 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in
Certification						
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3		

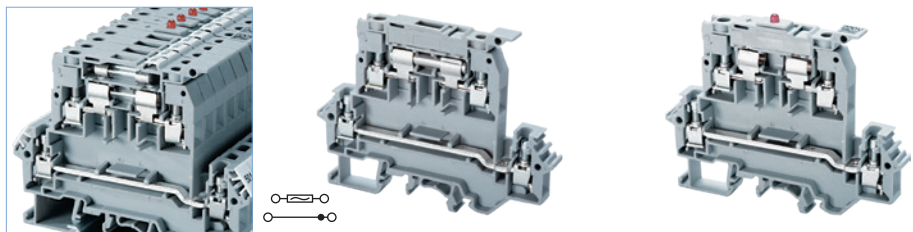
Double Level Safety Fuse Link Screw Clamp Terminal Blocks

These Terminal Blocks have a fuse carrier link on the top level and a separate feed through terminal connection at the lower level. This eliminates the use of additional feed through Terminal Blocks.

Ttec DDFL4UE terminals have a specially designed built in circuit, at the top level, that gives light indication in the event of a fuse blow out.

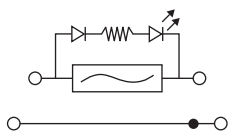
The Ttec DDFL4ULR terminals are a modified version of the Ttec DDFL4U Terminal Blocks where two equi-potential connection points are available on both sides of the terminal.

These Terminal Blocks can be used with AC and DC voltages.



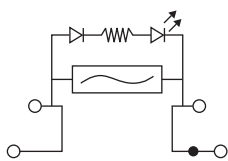
Model	Ttec DDFL4U			Ttec DDFL4UE		
Width (Thickness) x Length	8 x 88 mm			8 x 88 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	67.4 mm / 74.3 mm / 71.4 mm			67.4 mm / 74.3 mm / 71.4 mm		
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA	
Stranded Wire	0.2 - 4 mm ²	22 -10 AWG		0.2 - 4 mm ²	22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-	
Wire Stripping Length	9.5 mm			9.5 mm		
Type of Connection	Screw Clamp			Screw Clamp		
Fuse Size	ø 5 x 20 / ø 5 x 25 mm			ø 5 x 20 / ø 5 x 25 mm		
LED Indicator Voltage	-			24V AC / DC, 48V AC / DC 110V AC / DC, 220V AC / DC, 440V AC		
Ratings as per	IEC60947-7-3	UL-1059	CSA22.2-158	IEC60947-7-3	UL-1059	CSA22.2-158
Voltage	800 V	600 V	600 V	800 V	600 V	600 V
Current	6.3 A 32 A	6.3 A 35 A	6.3 A 35 A	6.3 A 32 A	6.3 A 35 A	6.3 A 35 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in
Certification						
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3		

Circuit Diagram for Ttec DDFL4UE

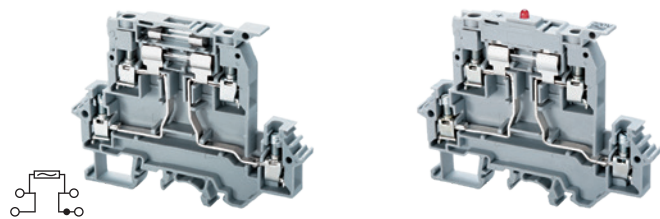


LED Circuit for offline indication

Circuit Diagram for Ttec DDFL4UELR



LED Circuit for offline indication



Model	Ttec DDFL4ULR			Ttec DDFL4UELR		
Width (Thickness) x Length	8 x 88 mm			8 x 88 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	67.4 mm / 74.3 mm / 71.4 mm			67.4 mm / 74.3 mm / 71.4 mm		
Connection Possibility as per	IEC	UL - CSA		IEC	UL - CSA	
Stranded Wire	0.2 - 4 mm ²	22 -10 AWG		0.2 - 4 mm ²	22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²	-		0.2 - 6 mm ²	-	
Wire Stripping Length	9.5 mm			9.5 mm		
Type of Connection	Screw Clamp			Screw Clamp		
Fuse Size	ø 5 x 20 / ø 5 x 25 mm			ø 5 x 20 / ø 5 x 25 mm		
LED Indicator Voltage	-			24V AC / DC, 48V AC / DC 110V AC / DC, 220V AC / DC, 440V AC		
Ratings as per	IEC60947-7-3	UL-1059	CSA22.2-158	IEC60947-7-3	UL-1059	CSA22.2-158
Voltage	800 V	600 V	600 V	800 V	600 V	600 V
Current	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A	6.3 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in
Certification						
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3		

Disconnect & Test Screw Clamp Terminal Blocks

Disconnect and Test Terminal Blocks are an ideal choice for measuring, control and regulatory circuits and provide clear functional advantage for devices having utility instruments and associated transformers. Techna offers the following type of Disconnect and Test Terminal Blocks:

- **Ttec CDTTU & Ttec CDS6U:** Disconnection is achieved by means of slide link operated with a screwdriver.
- **Ttec CKT4U:** Disconnection is achieved by lifting the lever operating a knife contact.
- **Ttec CKT4SP:** Terminal provides a possibility of using an internal shorting link for cross connection.

Model	Ttec CDTTU			Ttec CKT4U			Ttec CKT4U/4		
Width (Thickness) x Length	8 x 63 mm			6 x 46.3 mm			6 x 65 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	58.7 mm / 65.7 mm / 63.7 mm			48.3 mm / 56 mm / 54.5 mm			54.3 mm / 62 mm / 60.5 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	1.5 - 10 mm ²		16 - 8 AWG	0.2 - 4 mm ²		22 - 10 AWG	0.2 - 4 mm ²		22 - 10 AWG
Solid Wire	1.5 - 10 mm ²		–	0.2 - 6 mm ²		–	0.2 - 6 mm ²		–
Wire Stripping Length	12 mm			8 mm			8 mm		
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	800 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V	600 V
Current	57 A	41 A	41 A	28 A	35 A	16 A	17.5 A	20 A	20 A
Torque	1.2 Nm	14 lb-in	14 lb-in	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in	7 lb-in
Certification									
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			8 KV/3		

Model	Ttec CKT4SP			Ttec CDS6U			Ttec CDS6U/SC		
Width (Thickness) x Length	6 x 58.5 mm			8 x 82 mm			8 x 82 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	46 mm / 53.5 mm / 51.5 mm			51 mm / 59.2 mm / 56.7 mm			51 mm / 59.2 mm / 56.7 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	0.2 - 4 mm ²		24 - 10 AWG	0.2 - 6 mm ²		22 - 8 AWG	0.2 - 6 mm ²		22 - 8 AWG
Solid Wire	0.2 - 6 mm ²		–	0.2 - 10 mm ²		–	0.2 - 10 mm ²		–
Wire Stripping Length	8 mm			10 mm			10 mm		
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	1000 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V	600 V
Current	28 A	30 A	30 A	41 A	45 A	45 A	41 A	45 A	45 A
Torque	0.5 Nm	4.5 lb-in	4.5 lb-in	0.8 Nm	14 lb-in	14 lb-in	0.8 Nm	14 lb-in	14 lb-in
Certification									
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			8 KV/3		

High Voltage Screw Clamp Terminal Blocks (up to 1000V DC)

Ttec CHV Terminal Blocks have been specially designed for high voltage applications including photovoltaic systems. A specially designed flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screwdriver.



Model	Ttec CHV4U			Ttec CHV6U			Ttec CHV10U		
Width (Thickness) x Length	6 x 52 mm			8 x 52 mm			10 x 52 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	63.4 mm / 70.8 mm / 68.2 mm			63.4 mm / 70.8 mm / 68.2 mm			63.4 mm / 70.8 mm / 68.2 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG	0.2 - 6 mm ²		22 - 8 AWG	0.2 - 10 mm ²		22 - 6 AWG
Solid Wire	0.2 - 6 mm ²		–	0.2 - 10 mm ²		–	0.2 - 16 mm ²		–
Wire Stripping Length	12 mm			14 mm			14 mm		
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Current	32 A	35 A	35 A	41 A	50 A	50 A	57 A	65 A	65 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	14 lb-in
Certification									
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			8 KV/3		

Spring Loaded Screw Clamp Terminal Blocks

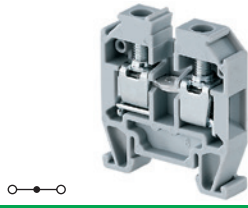
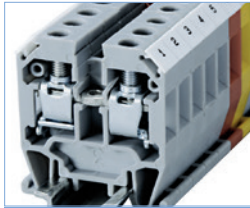
Ttec CTS Terminal Blocks come with springs below the clamps and are preferred for connections that involve high safety requirements. These Terminals have a specially designed current bar for location and placement of wires crimped in hooked lugs/ferrules, thus preventing loosening of the wires even when the screw clamps are not tightened. It's recommended to use hooked lugs/ferrules for terminating wires in such connections.



Model	Ttec CTS4USC			Ttec CTS6USC			Ttec CTS10USC		
Width (Thickness) x Length	6 x 52 mm			8 x 52 mm			10 x 52 mm		
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	63.4 mm / 70.8 mm / 68.2 mm			63.4 mm / 70.8 mm / 68.2 mm			63.4 mm / 70.8 mm / 68.2 mm		
Connection Possibility as per	IEC		UL - CSA	IEC		UL - CSA	IEC		UL - CSA
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG	0.2 - 6 mm ²		22 - 8 AWG	0.2 - 10 mm ²		20 - 6 AWG
Solid Wire	0.2 - 6 mm ²		–	–		–	–		–
Wire Stripping Length	12 mm			14 mm			14 mm		
Type of Connection	Screw Clamp			Screw Clamp			Screw Clamp		
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60947-7-1	UL-1059	CSA22.2-158
Voltage	1000 V	600 V	600 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Current	32 A	35 A	35 A	41 A	50 A	50 A	57 A	65 A	65 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	14 lb-in
Certification									
Rated Impulse Voltage/ Pollution Degree	8 KV/3			8 KV/3			8 KV/3		

Micro Screw Clamp Terminal Blocks

These Micro Terminal Blocks are extremely compact and are used in applications with space constraints. These blocks should be used with DIN 15 type rail.

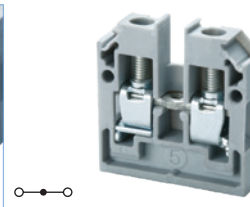
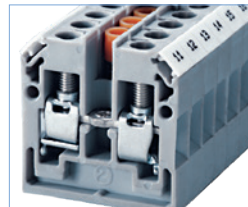


Model	Ttec CMT4			
Width (Thickness) x Length	6 x 27 mm			
Height with DIN 15 mm Rail	30.4 mm			
Connection Possibility as per	IEC		UL - CSA	
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²		-	
Wire Stripping Length	8 mm			
Type of Connection	Screw Clamp			
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7
Voltage	500 V	300 V	300 V	380 V
Current	32 A	35 A	35 A	28 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm
Certification				
Rated Impulse Voltage/ Pollution Degree	4 KV/3			

Panel Mount Screw Clamp Terminal Blocks

These Terminals are a perfect solution for extremely compact wiring applications and are modular so they can be stacked to form multi-pole assemblies. The stacked assemblies are fitted with mounting End Plates on both ends for easy installations. M3 screws of desired length can be used for mounting.

NOTE: It is recommended to use an additional End Plate after every 20 Terminal Blocks in a stacked assembly.



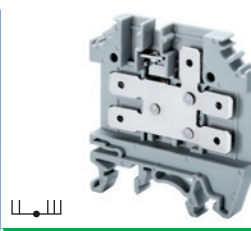
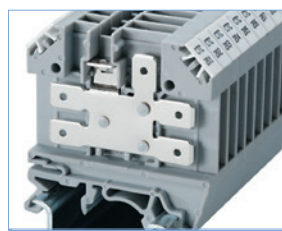
Model	Ttec CMB4			
Width (Thickness) x Length	6 x 27 mm			
Height	28.5 mm			
Connection Possibility as per	IEC		UL - CSA	
Stranded Wire	0.2 - 4 mm ²		22 - 10 AWG	
Solid Wire	0.2 - 6 mm ²		-	
Wire Stripping Length	8 mm			
Type of Connection	Screw Clamp			
Ratings as per	IEC60947-7-1	UL-1059	CSA22.2-158	IEC60079-7
Voltage	500 V	300 V	300 V	440 V
Current	32 A	30 A	35 A	28 A
Torque	0.5 Nm	7 lb-in	7 lb-in	0.5 Nm
Certification				
Rated Impulse Voltage/ Pollution Degree	4 KV/3			

Tab Connection Terminal Blocks

The Ttec CTC4U Tab Connection Terminal Block offer quick connection possibility.

The Terminal Blocks are suited for standard 'Fast On' type lugs.

The connection is achieved by pushing the lug/ferrule onto the tab blade of the Terminal Block.



Model	Ttec CTC4U	
Width (Thickness) x Length	6 x 47 mm	
Height with DIN-Rail: 35 x 7.5 / 35 x 15 / 32 mm	51.2 mm / 58.8 mm / 56.3 mm	
Connection Possibility as per	IEC	
Stranded Wire with Ferrule/Lug	0.2 - 4 mm ²	
Wire Stripping Length	9 mm	
Type of Connection	Tab Connection	
Ratings as per	IEC60947-7-1	
Voltage	300 V	
Current	32 A	
Certification		
Rated Impulse Voltage/ Pollution Degree	2.5 KV/3	