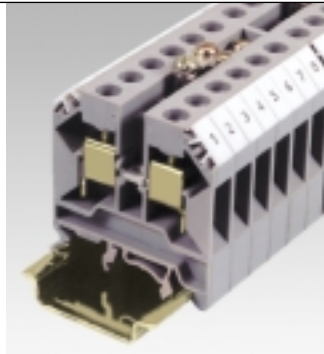



## FEED-THROUGH 35 or 32mm DIN Rail

Altech "U" Series Universal Rail Mounting Standard Screw Clamp Feed through terminals are the most versatile terminals for wire-to-wire connection in control, automation, instrumentation and power distribution applications. A special design feature on the flexible foot enables easy mounting and dismounting from the DIN Rail with the help of a screwdriver.


**The terminals with AEx eII EEx eII are explosion proof. They can be used in potentially explosive atmosphere which may occur in chemical and petrochemical industry. These terminals can be used in Class 1, Zone 1 hazardous locations. These terminal blocks comply to En 500019.**



Terminal Width	5 mm
Height x Length	45 x 43 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Type of Connection	2 screw clamps & 1 tapped hole for cross connection
Approvals	  
Wire Range	22-14 AWG 0.5-2.5 sq.mm 22-14 AWG
Voltage Rating	600 V 750 V 600 V
Current Rating	20 A 24 A 20 A
Torque	7 lb-in 0.4 Nm 7 lb-in

<b>CTS2.5U-N</b>		
  <b>AEx eII EEx eII</b> 		
Terminal Width	5 mm	
Height x Length	45 x 43 mm	
Stripping Length	9 mm	
Insulation Material	Polyamide 6.6	
Type of Connection	2 screw clamps & 1 tapped hole for cross connection	
Approvals	  	
Wire Range	22-14 AWG 0.5-2.5 sq.mm 22-14 AWG	
Voltage Rating	600 V 750 V 600 V	
Current Rating	20 A 24 A 20 A	
Torque	7 lb-in 0.4 Nm 7 lb-in	

<b>CTS4U-N</b>		
  <b>AEx eII EEx eII</b> 		
Terminal Width	6 mm	
Height x Length	45 x 43 mm	
Stripping Length	9 mm	
Insulation Material	Polyamide 6.6	
Type of Connection	2 screw clamps & 1 tapped hole for cross connection	
Approvals	  	
Wire Range	22-12 AWG 0.5-4 sq.mm 22-10 AWG	
Voltage Rating	600 V 750 V 600 V	
Current Rating	25 A 32 A 35/40A*	
Torque	7 lb-in 0.5 Nm 7 lb-in	

Terminal Block	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
	CTS2.5U-N	100	CTS4U-N	100
End Plate	EP2.5/4UN	50	EP2.5/4UN	50
Isolation Partition	PP2.5/4UN	50	PP2.5/4UN	50
Separator Plate	SP2.5/4UN	100	SP2.5/4UN	100
DIN Rail	for ordering information refer to page 57			
End Stop	CA702	50	CA702	50
	CA802	50	CA802	50
Internal Jumper	CA721/2	100	CA722/2	100
	CA721/3	50	CA722/3	50
	CA721/4	50	CA722/4	50
	CA721/10	10	CA722/10	10
	CA721/100	5	CA722/100	5
Insulated Internal Jumper	CA741/2	100	CA742/2	100
	CA741/3	50	CA742/3	50
	CA741/4	50	CA742/4	50
	CA741/10	10	CA742/10	10
	CA741/100	5	CA742/100	5
Current Bars	CA703/01	100	CA703/1	100
	CA704/01	100	CA704/1	100
	CA705/01	100	CA705/1	100
	CA731/10	100	CA732/10	100
	—	—	CA732/10-A	100
	CA731/100	10	CA732/100	10
Shorting Sleeve & Screw	CA 707/S/Q/01	100	CA707/S/Q/01	100
External Jumper	CA717/2	100	CA713/2	100
	CA717/3	100	CA713/3	100
	CA717/4	100	CA713/4	100
	CA717/10	50	CA713/10	50
Marking Tags (MT Type)	MT5	100	MT6	100
Continuous 90mm strip	MT9F	10	MT9F	10

**COLOR BLOCKS**



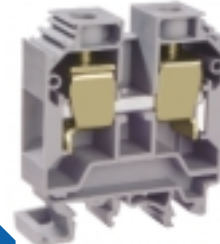







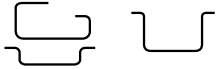
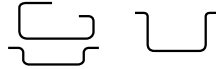
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG

**Was 10A please make 40A.**

\* 35A with one No. 10 AWG and 40A with two No. 12 AWG wires.

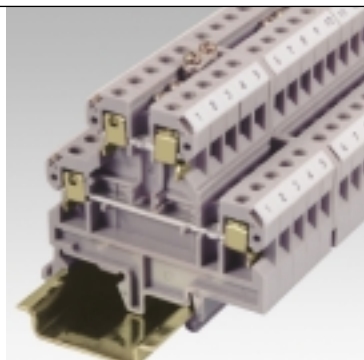
CTS6U			CTS10U			CTS25U			CTS35U		
											
 AEx eII EEx eII 			 AEx eII EEx eII 			 AEx eII EEx eII 			 AEx eII EEx eII 		
8 mm			10 mm			12 mm			15 mm		
47 x 43 mm			47 x 43 mm			56 x 49.5 mm			58 x 52.5 mm		
12 mm			12 mm			18 mm			18 mm		
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
2 screw clamps & 1 tapped hole for cross connection			2 screw clamps & 1 tapped hole for cross connection			2 screw clamps & 1 tapped hole for cross connection			2 screw clamps & 1 tapped hole for cross connection		
  			  			  			  		
22-8 AWG 1.5-6 sq.mm 22-8 AWG			15-7 AWG 1.5-10 sq.mm 20-6 AWG			9-3 AWG 6-25 sq.mm 14-2 AWG			7-2 AWG 10-35 sq.mm 18-1/0 AWG		
600 V 750 V 600 V			600 V 750 V 600 V			600 V 750 V 600 V			600 V 750 V 600 V		
50 A 41 A 50 A			65 A 57 A 65 A			115 A 101 A 115 A			145 A 125 A 145 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			25 lb-in 2.5 Nm 25 lb-in		
Cat. No.	Std. Pk.		Cat. No.	Std. Pk.		Cat. No.	Std. Pk.		Cat. No.	Std. Pk.	
CTS6U	100		CTS10U	100		CTS25U	50		CTS35U	50	
EP6/10U	50		EP6/10U	50		EP25U	50		EP35U	50	
PP6/10U	50		PP6/10U	50		PP25U	50		PP35U	50	
											
CA702	50		CA702	50		CA702	50		CA702	50	
CA802	50		CA802	50		CA802	50		CA802	50	
CA723/2	100		CA724/2	100		CA725/2	50		CA726/2	50	
CA723/3	50		CA724/3	50		CA725/3	25		CA726/3	25	
CA723/4	50		CA724/4	50		CA725/4	25		CA726/4	25	
CA723/10	10		CA724/10	10		CA725/10	10		CA726/10	10	
CA743/2	100		CA744/2	100		CA745/2	50		CA746/2	50	
CA743/3	50		CA744/3	50		CA745/3	25		CA746/3	25	
CA743/4	50		CA744/4	50		CA745/4	25		CA746/4	25	
CA743/10	10		CA744/10	10		CA745/10	10		CA746/10	10	
CA703/2	100		CA703/3	100		CA703/4	100		CA703/5	100	
CA704/2	100		CA704/3	100		CA704/4	100		CA704/5	100	
CA705/2	100		CA705/3	100		CA705/4	100		CA705/5	100	
CA733/10	100		CA734/10	100		CA735/10	100		CA736/10	100	
CA707/S/Q/1	100		CA707/S/Q/1	100		CA707/S/Q/2	100		CA707/S/Q/2	100	
CA710/2	100		CA718/2	100							
CA710/3	100		CA718/3	100							
CA710/4	100		CA718/4	100							
CA710/10	50		CA718/10	50							
MT8	100		MT10	100		MT12	100		MT15	100	
MT9F	10		MT9F	10		MT9F	10		MT9F	10	

## FEED-THROUGH DOUBLE LEVEL 35 or 32mm DIN Rail

Altech double level terminals are the answer to high wiring density problems posed by certain unavoidable wiring arrangements. Double level terminals have the following advantages:

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

CDL-4U(I.S) internally shorted double level terminals are useful for distribution applications by using shorting links at lower levels.



CDL4U

CDL4U(I.S)



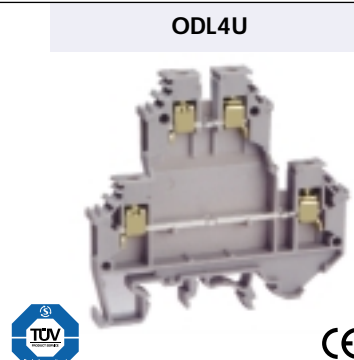
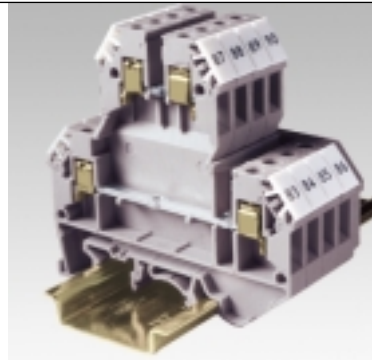
	CDL4U			CDL4U(I.S)		
Terminal Width	6 mm			6 mm		
Height x Length	54 x 55.5 mm			54 x 55.5 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 screw clamps & 2 tapped holes for cross connection			4 screw clamps & 1 tapped hole for cross connection		
Approvals						
Wire Range	22-12 AWG	0.5-4 sq.mm	22-10 AWG	22-12 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	300 /600V	400 V	300 V	600 V	400 V	600 V
Current Rating	25 A	32 A	35 A	25 A	32 A	35 A
Torque	6 lb-in	0.5 Nm	7 lb-in	6 lb-in	0.5 Nm	7 lb-in
	<b>Cat. No.</b>	<b>Std. Pk.</b>		<b>Cat. No.</b>	<b>Std. Pk.</b>	
Terminal Block	CDL4U	100		CDL4U(I.S)	100	
End Plate	EPCDL4U	50		EPCDL4U	50	
Separator Plate	SPCDL4U	100		SPCDL4U	100	
DIN Rail <i>for ordering information refer to page 57</i>						
End Stop <i>for ordering information refer to page 58</i>			CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper	2 pole 3 pole 4 pole 10 pole	CA727/2 CA727/3 CA727/4 CA727/10	100 50 50 10	CA727/2 CA727/3 CA727/4 CA727/10	100 50 50 10	
Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole	CA747/2 CA747/3 CA747/4 CA747/10	100 50 50 10	CA747/2 CA747/3 CA747/4 CA747/10	100 50 50 10	
Current Bars	2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole	CA703/1 CA704/1 CA705/1 CA732/10 CA732/10-A CA732/100	100 100 100 100 100 10	CA703/1 CA704/1 CA705/1 CA732/10 CA732/10-A CA732/100	100 100 100 100 100 10	
Shorting Sleeve & Screw		CA607/S/Q	100	CA607/S/Q	100	
External Jumper	2 pole 3 pole 4 pole 10 pole	CA714/2 CA714/3 CA714/4 CA714/10	100 100 100 50	CA714/2 CA714/3 CA714/4 CA714/10	100 100 100 50	
Marking Tags (MT Type)		MT2	100	MT2	100	




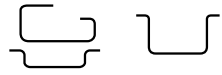



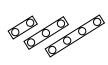




## FEED-THROUGH OFFSET DOUBLE LEVEL

Altech Offset Double Level Terminals, like CDL Double Level Terminals, provide a separate connection possibility at two levels. In ODL, the top level is offset from the bottom level by half the thickness of the terminal.

In ODL terminals, the bottom level screws have better accessibility for tightening/loosening.

It is recommended to use end plates at both ends of assembled ODL terminal sets for flat alignment to enable effective use of end stops.



Terminal Width		6 mm
Height x Length		63 x 68 mm
Stripping Length		9 mm
Insulation Material		Polyamide 6.6
Type of Connection		4 screw clamps & 2 tapped holes for cross connection
Approvals		  
Wire Range		22-12 AWG    0.5-4 sq.mm    22-10 AWG
Voltage Rating		600 V    600 V    600 V
Current Rating		25 A    32 A    35 A
Torque		7 lb-in    0.5 Nm    7 lb-in
Terminal Block		ODL4U    100
End Plate		EPODL4U    50 EP1ODL4U    50
DIN Rail		 <i>for ordering information refer to page 57</i>
End Stop		 <i>for ordering information refer to page 58</i>
Internal Jumper		 2 pole    CA727/2    10 3 pole    CA727/3    10 4 pole    CA727/4    10 10 pole    CA727/10    10
Insulated Internal Jumper		 2 pole    CA747/2    100 3 pole    CA747/3    50 4 pole    CA747/4    50 10 pole    CA747/10    10
Current Bars		 2 pole    CA703/1    100 3 pole    CA704/1    100 4 pole    CA705/1    100 10 pole    CA732/10    100 10 pole (breakable)    CA732/10-A    100 100 pole    CA732/100    10
Shorting Sleeve & Screw		 CA607/S/Q    100
External Jumper		 2 pole    CA714/2    100 3 pole    CA714/3    100 4 pole    CA714/4    100 10 pole    CA714/10    100
Marking Tags (MT Type)		 MT6    100
Continuous 90mm strip		 MT9F    10

## CKT4U



CE

6 mm

46 x 46.3 mm

9 mm

Polyamide 6.6

2 screw clamps



22-12 AWG 0.5-4 sq.mm 22-10 AWG

600 V 750 V 600 V

16 A 16 A 16 A

7 lb-in 0.5 Nm 7 lb-in

## CSDL4U



CE

8 mm

43 x 58 mm

9.5 mm

Polyamide 6.6

2 screw clamps



22-12 AWG 0.5-4 sq.mm 22-10 AWG

600 V 750 V 600 V

6.3 A 6.3 A 6.3 A

7 lb-in 0.5 Nm 7 lb-in

## DDDL4U



CE

8 mm

66 x 88 mm

9.5 mm

Polyamide 6.6

4 screw clamps



0.5-4 sq.mm 22-10 AWG

600 V 600 V

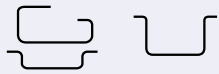
6.3 / 32 A 6.3 / 25 A

0.5 Nm 7 lb-in

Cat. No. Std. Pk.

CKT4U 50

EPCKT4U 50



CA702 50  
CA802 50

CA713/2 100  
CA713/3 100  
CA713/4 100  
CA713/10 50

MT6 100

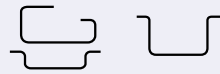
MT9F 10

Cat. No. Std. Pk.

CSDL4U 100

EPCSFL4U 50

PPCSFL4U 50



CA702 50  
CA802 50

CA711/2 100  
CA711/3 100  
CA711/4 100  
CA711/10 50

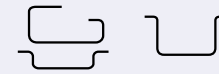
MT8 100  
MT2 100

MT9F 10

Cat. No. Std. Pk.

DDDL4U 20

EPDDL4U 25



CA702 50  
CA802 50

CA711/2 100  
CA711/3 100  
CA711/4 100  
CA711/10 50

MT8 100  
MT2 100

MT9F 10

<sup>1</sup> Consult Altech.

## FUSE BLOCKS

Certain electrical and control systems require protection by fuses. The terminal has a moving type hinged carrier. CSFL4 which has a specially designed space for cartridge type glass fuse accepts Ø5 x 20 or Ø5 x 25 mm fuses. CAFL4U accepts Ø1/4 x 1-1/4 in. fuses. The fuse can be engaged or disengaged by the movement of the carrier.

Altech fuse terminals are also available with light indication - CSFL4U(L). A specially designed built-in circuit gives light indication in the event of fuse blow out. Thus, fault in a circuit can be easily located.

However, an application of such terminals must take into consideration residual current flow.

DDFL 4U - Double Level Fuse Terminal with fuse link on the top level has a separate feed through terminal at the lower level. This eliminates use of an additional feed through terminal.

In DDFL 4U ( E ), specially designed built in circuit gives light indication in the event of a fuse blow out at the top level. The terminal provides separate feed through connection possibility at the lower level.

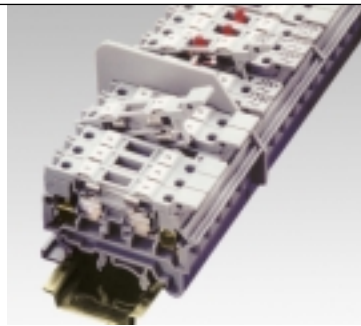
DDFL 4U ( LR ): This is a modified version of DDFL 4U ( E ) terminal where in two equipotential connection points are available on both ends of the terminal.

CAFL4U(L) is equipped with a LED for blown fuse indication. CAFL4U(N) is equipped with a neon bulb for same application.

CB1038 accepts Ø10 x 38mm fuse.

**Fuses are sold separately by Altech, see page 31 for details.**

\*Add required voltage to part number as a suffix. i.e. CSFL4U(L)/24 for 24V AC/DC.



	CSFL4U	CSFL4U(L)*
--	--------	------------



Terminal Width	8 mm			8 mm		
Height x Length	43 x 58 mm			43 x 58 mm		
Stripping Length	9.5 mm			9.5 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps			2 screw clamps		
Fusion Voltage				24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC		
Type of Fuse Used	Ø5x20, Ø5x25 mm			Ø5x20, Ø5x25 mm		
Approvals						
Wire Range	22-12 AWG	0.5-4 sq.mm	22-10 AWG	22-12 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	750 V	600 V	600 V	750 V	600 V
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. Pk.	Cat. No.	Std. Pk.
Terminal Block	CSFL4U	100	CSFL4U(L)*	50
End Plate	EPCSFL4U	50	EPCSFL4U	50
Isolation Partition	PPCSFL4U	50	PPCSFL4U	50
DIN Rail <i>for ordering information refer to page 57</i>				
End Stop <i>for ordering information refer to page 58</i>	CA702	50	CA702	50
	CA802	50	CA802	50
External Jumper	CA711/2	100	CA711/2	100
	CA711/3	100	CA711/3	100
	CA711/4	100	CA711/4	100
	CA711/10	50	CA711/10	50
Marking Tags (MT Type)	MT8	100	MT8	100
(MT Type on Lever)	MT2	100	MT2	100
Continuous 90mm strip	MT9F	10	MT9F	10