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 can be used in a potentially explosive atmosphere which may occur in chemical and petrochemical industry. These terminals can be used in Class 1, Zone 0, 1 & 2 hazardous locations. These terminal blocks comply to En 500019.

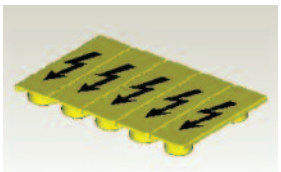
RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

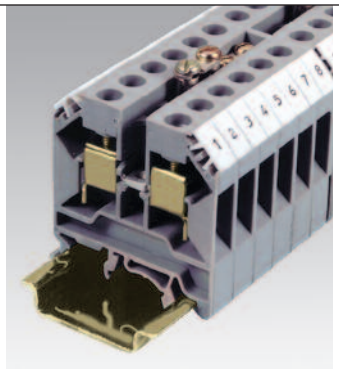
When ordering please add color suffix to Cat. No.

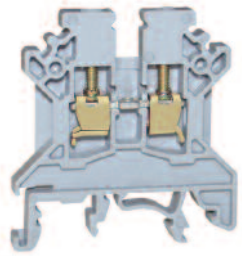
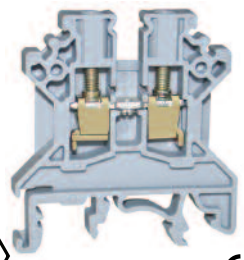
Example: CTS2.5U-N/R

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



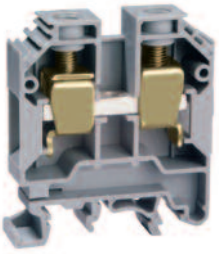
Warning labels available.
See page 67.



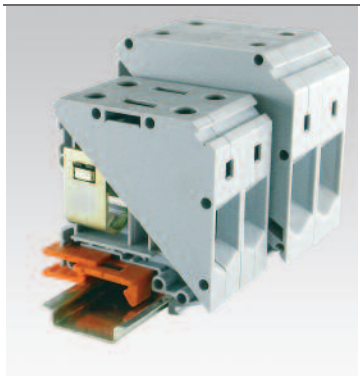
	CTS2.5U-N			CTS4U-N		
	 AEx eII EEx eII CE			 AEx eII EEx eII CE		
Terminal Width	5 mm			6 mm		
Height x Length	45 x 43 mm			45 x 43 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps & 1 tapped hole for cross connection			2 screw clamps & 1 tapped hole for cross connection		
Approvals	c SP us	VDE	c UL us E220514	c SP us	VDE	c UL us E220514
Wire Range	22-12 AWG	0.5-2.5 sq.mm	22-14 AWG	22-10 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	25 A	24 A	20 A	35/40 A*	32 A	35/40A*
Torque	7 lb-in	0.4 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in

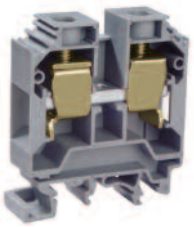
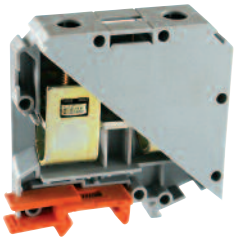
		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CTS2.5U-N	100	CTS4U-N	100
End Plate		EP2.5/4UN	50	EP2.5/4UN	50
Isolation Partition		PP2.5/4UN	50	PP2.5/4UN	50
Separator Plate		SP2.5/4UN	100	SP2.5/4UN	100
DIN Rail *for ordering information refer to page 62*					
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA721/2 CA721/3 CA721/4 CA721/10 CA721/100	100 50 50 10 10	CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 50 50 10 10
Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA741/2 CA741/3 CA741/4 CA741/10 CA741/100	100 50 50 10 10	CA742/2 CA742/3 CA742/4 CA742/10 CA742/100	100 50 50 10 10
Current Bars	2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole	CA703/01 CA704/01 CA705/01 CA731/10 — CA731/100	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		CA 707/S/Q/01	100	CA707/S/Q/01	100
External Jumper	2 pole 3 pole 4 pole 10 pole	CA717/2 CA717/3 CA717/4 CA717/10	100 100 100 25	CA713/2 CA713/3 CA713/4 CA713/10	100 100 50 25
Marking Tags		MT5	100	MT6	100
Warning Label					

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

CTS6U	CTS10U	CTS16U	CTS25U
			
AEx eII EEx eII	AEx eII EEx eII	AEx eII EEx eII	AEx eII EEx eII
8 mm	10 mm	12 mm	12 mm
47 x 43 mm	47 x 43 mm	47 x 43 mm	56 x 49.5 mm
12 mm	12 mm	16 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	22-6 AWG / 1.5-10 sq.mm / 16-6 AWG	22-6 AWG / 2.5-16 sq.mm / 20-4 AWG	12-2 AWG / 6-25 sq.mm / 14-2 AWG
600 V / 750 V / 600 V	600 V / 750 V / 600 V	600 V / 800 V / 600 V	600 V / 750 V / 600 V
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 / 1.2 Nm / 14 lb-in	25 lb-in / 2.0 Nm / 25 lb-in

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
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	SP6/10U	100		
							
CA702	50	CA702	50	CA702	50	CA702	50
CA802	50	CA802	50	CA802	50	CA802	50
CA723/2	100	CA724/2	100	CA751/2	50	CA725/2	50
CA723/3	50	CA724/3	50	CA751/3	50	CA725/3	25
CA723/4	50	CA724/4	50	CA751/4	50	CA725/4	25
CA723/10	10	CA724/10	10	CA751/10	10	CA725/10	10
CA743/2	100	CA744/2	100	CA761/2	50	CA745/2	50
CA743/3	50	CA744/3	50	CA761/3	50	CA745/3	25
CA743/4	50	CA744/4	50	CA761/4	50	CA745/4	25
CA743/10	10	CA744/10	10	CA761/10	10	CA745/10	10
CA703/2	100	CA703/3	100	CA703/8	100	CA703/4	100
CA704/2	100	CA704/3	100	CA704/8	100	CA704/4	100
CA705/2	100	CA705/3	100	CA705/8	100	CA705/4	100
CA733/10	100	CA734/10	100	CA739/10	100	CA735/10	100
CA707/S/Q/1	100	CA707/S/Q/1	100	CA707/S/Q/5	100	CA707/S/Q/2	100
CA710/2	100	CA718/2	100				
CA710/3	100	CA718/3	50				
CA710/4	100	CA718/4	50				
CA710/10	25	CA718/10	25				
MT8	100	MT10	100	MT12	100	MT12	100
SWL6	100						



	CTS35U	CTS50U	CTS95U
	 AEx eII EEx eII		
Terminal Width	15 mm	20.5 mm	25 mm
Height x Length	58 x 52.5 mm	75.5 x 71 mm	90 x 83 mm
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 & 1 tapped hole for cross connection	2 screw clamp connections	2 Allen screw clamp connections
Approvals	E220514	E220514	E220514
Wire Range	8-2 AWG / 10-35 sq.mm / 8-2 AWG	6-2/0 AWG / 16-50 sq.mm / 6-2/0 AWG	2-4/0 AWG / 16-95 sq.mm / 2-4/0 AWG
Voltage Rating	600 V / 750 V / 600 V	600V / 1000 V / 600 V	600V / 1000 V / 600 V
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. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CTS35U	50	CTS50U	20	CTS95U	10
End Plate	EP35U	50				
Isolation Partition	PP35U	50				
Separator Plate						
DIN Rail *for ordering information refer to page 62*						
End Stop *for ordering information refer to page 63*	CA702 CA802	50 50	CA202 CA102	50 50	CA202 CA102	50 50
Internal Jumper	CA726/2 CA726/3 CA726/4 CA726/10	50 25 25 10				
Insulated Internal Jumper	CA746/2 CA746/3 CA746/4 CA746/10	50 25 25 10				
Current Bars	CA703/5 CA704/5 CA705/5 CA736/10	100 100 100 100				
Shorting Sleeve & Screw	CA707/S/Q/2	100				
Marking Tags	MT15	100	MT20	100	MT25	100

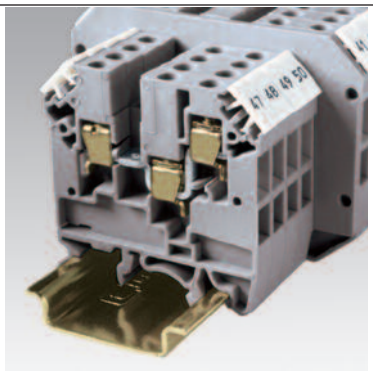
RoHS COMPLIANT

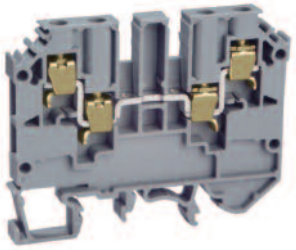
FEED-THROUGH MULTI-CONNECTION
35 or 32mm DIN Rail

Connect multiple wires to a single terminal block and eliminate reliability problems encountered when connecting two wires into a single clamp. Two versions are available.

Type CMC1-2 features a single screw-cage clamp for 22-10 AWG wires on one side and two clamps on the other side for 22-10 AWG wires.

Type CMC2-2 has two identical clamps for 22-10 AWG wires on both sides.



	CMC1-2	CMC2-2
		
Terminal Width	6 mm	6 mm
Height x Length	47 x 46.5 mm	51.5 x 65 mm
Stripping Length	9 mm	9 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection	3 screw clamps & 1 tapped hole for cross connection	4 screw clamps & 2 tapped holes for cross connection
Approvals	c SA us / VDE / c UL us E220514	c SA us / VDE / c UL us E220514
Wire Range	22-10AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
Voltage Rating	600 V / 600 V / 600 V	600 V / 600 V / 600 V
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. Pk.	Cat. No.	Std. Pk.
Terminal Block		CMC1-2	100	CMC2-2	50
End Plate		EPCMC1-2	50	EPCMC2-2	50
DIN Rail *for ordering information refer to page 62*					
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 50 50 10 5	CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 50 50 10 5
Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA742/2 CA742/3 CA742/4 CA742/10 CA742/100	100 50 50 10 5	CA742/2 CA742/3 CA742/4 CA742/10 CA742/100	100 50 50 10 5
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		CA707/S/Q/01	100	CA707/S/Q/01	100
External Jumper *for use in upper level*	2 pole 3 pole 4 pole 10 pole	CA713/2 CA713/3 CA713/4 CA713/10	100 100 50 25	CA713/2 CA713/3 CA713/4 CA713/10	100 100 50 25
Marking Tags	(MT Type)	MT6	100	MT6	100

RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

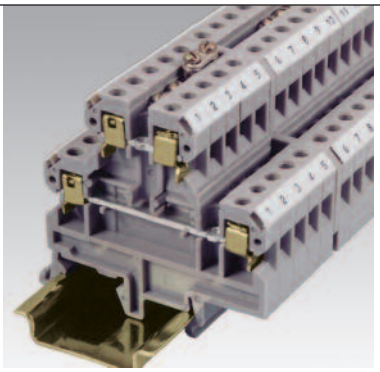
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

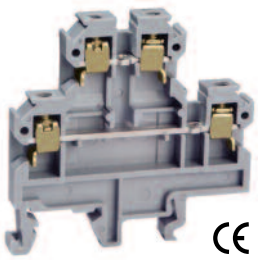
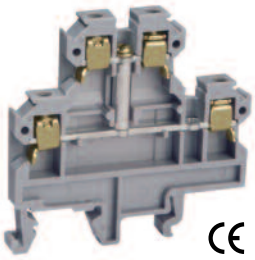
FEED-THROUGH DOUBLE LEVEL
35 or 32mm DIN Rail

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.

CDL4U(I.S) internally shorted double level terminals are useful for distribution applications by using shorting links at lower levels.



	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	cULus	IEC	cULus E220514	cULus	IEC	cULus E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	300V	400 V	600 V	300 V	400 V	600 V
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. Pk.**		**Cat. No.**	**Std. Pk.**	
Terminal Block	CDL4U	100		CDL4U(I.S)	100	
End Plate	EPCDL4U	50		EPCDL4U	50	
Separator Plate	SPCDL4U	100		SPCDL4U	100	
DIN Rail *for ordering information refer to page 62*						
End Stop *for ordering information refer to page 63*	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 50 25	CA714/2 CA714/3 CA714/4 CA714/10	100 100 50 25	
Marking Tags (MT Type)	MT2	100		MT2	100	

RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

When ordering please add color suffix to Cat. No.

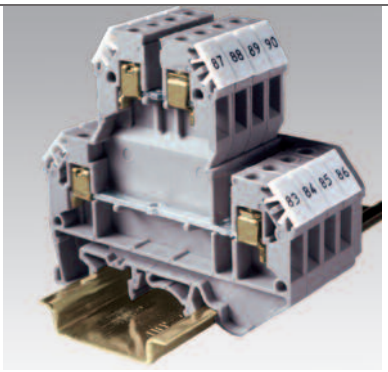
Example: CTS2.5U-N/R

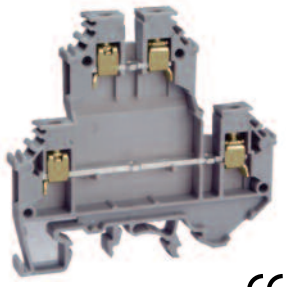
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

FEED-THROUGH OFFSET DOUBLE LEVEL

Altech Offset Double Level Terminals, which provide a separate connection at two levels. In ODL, the top level is offset from the bottom level by half the thickness of the terminal. This offset provides better accessibility to the screws on the lower level.

*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.





	ODL4U		
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	c SP us	VDE	c UL us E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	600 V	600 V
Current Rating	35 A	32 A	35 A
Torque	7 lb-in	0.5 Nm	7 lb-in

		Cat. No.	Std. Pk.
Terminal Block		ODL4U	50
End Plate*	Front	EPODL4U	50
	Back	EP1ODL4U	50
DIN Rail *for ordering information refer to page 62*			
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50
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	50
	10 pole	CA714/10	25
Marking Tags	(MT Type)	MT6	100

RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

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
Dark Brown	DB

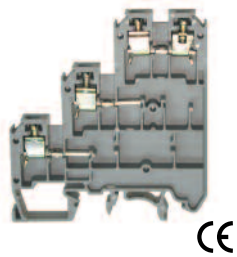
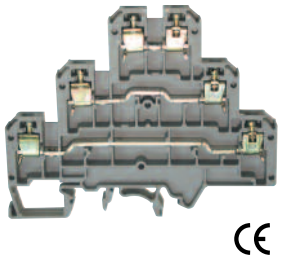
FEED-THROUGH
TRIPLE LEVEL
35 or 32mm DIN Rail

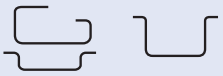
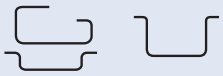
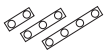
For applications with extreme space constraints. Only 6mm (.236") wide, with three separate feed-through levels. Jumpers can be used to reduce field wiring.

They can also be used in control systems where sensors and actuator applications are involved.

The top level of CTL2.5UH terminal block provide connecting points for signal while middle and bottom level provide connecting points are used for positive and negative potential.

In applications where switching indication is required, choice of CTL2.5UHL and CTL2.5UL terminal blocks with built-in electronic components are available.

	CTL2.5U-H			CTL2.5U		
						
Terminal Width	6 mm			6 mm		
Height x Length	67 x 61 mm			67 x 84 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 Screw clamps & 3 tapped holes for cross connection			6 Screw clamps & 3 tapped holes for cross connection		
Approvals	c SP us	VDE	c UL us E220514	c SP us	VDE	c UL us E220514
Wire Range	22-12 AWG	0.5-2.5 sq.mm	22-12 AWG	22-12 AWG	0.5-2.5 sq.mm	22-12 AWG
Voltage Rating	300 V	500 V	300 V	300 V	500 V	300 V
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. Pk.	Cat. No.	Std. Pk.
Terminal Block		CTL2.5U-H	50	CTL2.5U	50
End Plate		EPCTL2.5U-H	50	EPCTL2.5U	50
DIN Rail *for ordering information refer to page 62*					
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper		CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 50 50 10 5	CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 50 50 10 5
Current Bars		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		CA707/S/Q/01	100	CA707/S/Q/01	100
External Jumper		CA715/2 CA715/3 CA715/4 CA715/10	100 100 100 50	CA715/2 CA715/3 CA715/4 CA715/10	100 100 100 50
Marking Tags (MT Type)		MT2	100	MT2	100

2 pole
3 pole
4 pole
10 pole
10 pole (breakable)
100 pole

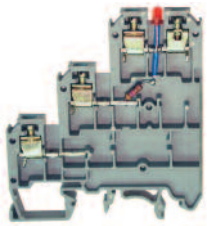
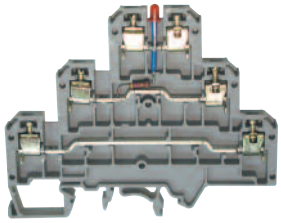
RoHS COMPLIANT

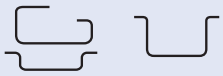
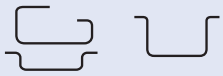
COLOR BLOCKS
(other than grey standard)

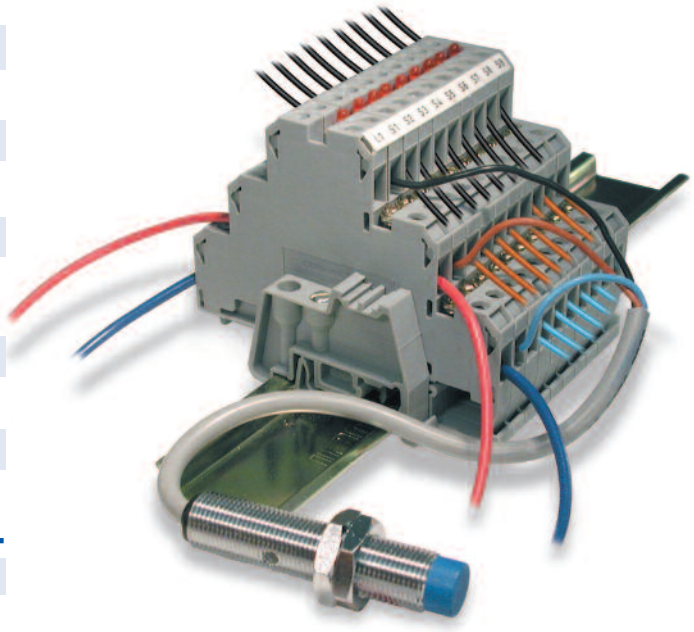
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

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

CTL2.5U-H(L)*	CTL2.5U(L)*
	
6 mm	6 mm
67 x 61 mm	67 x 84 mm
9 mm	9 mm
Polyamide 6.6	Polyamide 6.6
4 Screw clamps & 2 tapped holes for cross connection	6 Screw clamps & 2 tapped holes for cross connection
c SP us / VDE / c UL us E220514	c SP us / VDE / c UL us E220514
22-12 AWG / 0.5-2.5 sq.mm / 22-12 AWG	22-12 AWG / 0.5-2.5 sq.mm / 22-12 AWG
300 V / 500 V / 300 V	300 V / 500 V / 300 V
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. Pk.	Cat. No.	Std. Pk.
CTL2.5U-H(L)*	50	CTL2.5U(L)*	50
EPCTL2.5U-H	50	EPCTL2.5U	50
			
CA702	50	CA702	50
CA802	50	CA802	50
CA722/2	100	CA722/2	100
CA722/3	50	CA722/3	50
CA722/4	50	CA722/4	50
CA722/10	10	CA722/10	10
CA722/100	5	CA722/100	5
CA703/1	100	CA703/1	100
CA704/1	100	CA704/1	100
CA705/1	100	CA705/1	100
CA732/10	100	CA732/10	100
CA732/10-A	100	CA732/10-A	100
CA732/100	10	CA732/100	10
CA707/S/Q/01	100	CA707/S/Q/01	100
CA715/2	100	CA715/2	100
CA715/3	100	CA715/3	100
CA715/4	100	CA715/4	100
CA715/10	50	CA715/10	50
MT2	100	MT2	100



Ideal for sensor applications.
See Altech's Inductive Proximity Sensor catalog for ordering information.

* Add required voltage to part number as suffix;
i.e. CTL2.5U(L)/24 for 24V DC

DISTRIBUTION BLOCK

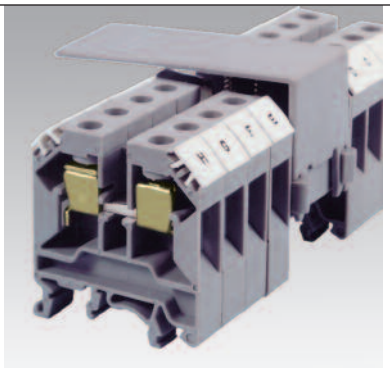
Altech CDB Compact Distribution Blocks are an ideal choice for a simplified distribution system. A lug/bolt secures the incoming cable and the screw clamp design of the block provides the outgoing connections. These provide easy connect points and ensure perfect continuity for distribution. A protective shield effectively shrouds the incoming connection.

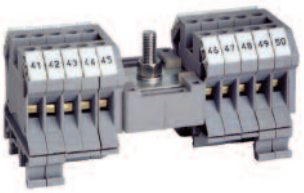
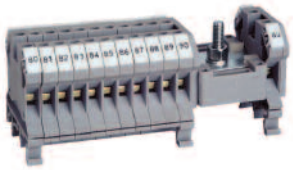
Application Information:
Sum of outgoing currents on either side of center should not exceed half the maximum permissible incoming current.

Sum of total outgoing currents should not exceed maximum permissible incoming current.

Connection for higher outgoing currents should be done through the terminal nearest to the incoming connection.

CMDB blocks are the modified version of CDB terminal blocks without central incoming terminal connections.



	CDB4	CDB4(1)
		
Terminal Width	6 mm	6 mm
Height & Width	45 x 43 mm	45 x 43 mm
Stripping Length	9 mm	9 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection Input	1 Lug/ M5 bolt connection for ring lug	1 Lug M5 /bolt connection for ring lug
Type of Connection Output	Screw clamp connection	Screw clamp connection
Approvals	E220514	E220514
Wire Range Input	10-8 AWG / 6-16 sq.mm / 10-8 AWG	10-8 AWG / 6-16 sq.mm / 10-8 AWG
Wire Range Output	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 Input	50 A / 50 A	50 A / 50 A
Max. Individual Output	25 A / 32 A / 35 A	25 A / 32 A / 35 A
Torque Input	26 lb-in / 2.0 Nm / 26 lb-in	26 lb-in / 2.0 Nm / 26 lb-in
Torque Output	7 lb-in / 0.5 Nm / 7 lb-in	7 lb-in / 0.5 Nm / 7 lb-in

Terminal Block

Cat. No.	H x W x L (mm)	Outputs	Std.Pk.
CDB4/1	45 x 43 x 43.8	4	10
CDB4/2	45 x 43 x 55.8	8	10
CDB4/3	45 x 43 x 67.8	12	10
CDB4/4	45 x 43 x 80	16	5
CDB4/5	45 x 43 x 96	20	5

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CDB4/2(1)	45 x 43 x 52	4	10
CDB4/3(1)	45 x 43 x 58	6	10
CDB4/4(1)	45 x 43 x 64	8	5
CDB4/5(1)	45 x 43 x 70	10	5
CDB4/6(1)	45 x 43 x 76	12	5
CDB4/10(1)	45 x 43 x 100	20	5
CDB4/11(1)	45 x 43 x 106	22	5

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
DIN Rail *for ordering information refer to page 62*				
End Stop *for ordering information refer to page 63*	CA702 CA802	50 50	CA702 CA802	50 50
Marking Tags (MT Type)	MT6	100	MT6	100
Warning Label				

RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

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
Dark Brown	DB

CDB6	CDB10	CMDB4
		
8 mm	10 mm	6 mm
43 x 47 mm	43 x 47 mm	45 x 43 mm
12 mm	12 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
1 Lug/ M6 bolt connection for ring lug Screw clamp connection	1 Lug/ M8 bolt connection for ring lug Screw clamp connection	Screw clamp connection
E220514	E220514	
10-6 AWG / 22-8 AWG | 6-25 sq.mm / 1.5-6 sq.mm | 10-2 AWG / 22-8 AWG	7-2 AWG / 15-7 AWG | 10-35 sq.mm / 1.5-10 sq.mm | 8-1/0 AWG / 22-6 AWG	22-10 AWG | 0.5-4 sq.mm | 22-10 AWG
600 V | 750 V | 600 V	600 V | 750 V | 600 V	600 V | 800 V | 600 V
100 A / 50 A | 41 A | 100 A / 50 A	125 A / 65 A | 57 A | 130 A / 65 A	35 A | 32 A | 35 A
25 lb-in / 9 lb-in | 3.0 Nm / 0.8 Nm | 35 lb-in / 14 lb-in	53 lb-in / 14 lb-in | 6.0 Nm / 1.2 Nm | 53 lb-in / 14 lb-in	7 lb-in | 0.5 Nm | 7 lb-in

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CDB6/2	43 x 47 x 64	8	10
CDB6/3	43 x 47 x 80	12	10
CDB6/4	43 x 47 x 96	16	5

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CDB10/2	43 x 47 x 72	8	10
CDB10/3	43 x 47 x 92	12	10
CDB10/4	43 x 47 x 112	16	5

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CMDB4/2	45 x 43 x 13.5	4	10
CMDB4/3	45 x 43 x 19.5	6	10
CMDB4/4	45 x 43 x 25.5	8	5
CMDB4/10	45 x 43 x 61.5	20	5

Cat. No.	Std. Pk.
CA702	50
CA802	50
MT8	100
SWL6	100

Cat. No.	Std. Pk.
CA702	50
CA802	50
MT10	100

Cat. No.	Std. Pk.
CA702	50
CA802	50
MT6	100

	CMDB6	CMDB10
		
Terminal Width	8 mm	10 mm
Height & Width	43 x 47 mm	43 x 47 mm
Stripping Length	12 mm	12 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection — Input / Output	Screw clamp connection	Screw clamp connection
Approvals		

Wire Range	Input	22-8 AWG	1.5-6 sq.mm	22-8 AWG	15-7 AWG	1.5-10 sq.mm	20-6 AWG
	Output						
Voltage Rating		600 V	800 V	600 V	600 V	800 V	600 V
Current Rating	Input	50 A	41 A	50 A	65 A	57 A	65 A
	Max. Individual Output						
Torque	Input	9 lb-in	0.8 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in
	Output						

Terminal Block

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CMDB6/2	43 x 48 x 17.5	4	10
CMDB6/3	43 x 48 x 25.5	6	10
CMDB6/4	43 x 48 x 33.5	8	10
CMDB6/10	43 x 48 x 81.5	20	5

Cat. No.	H x W x L (mm)	Outputs	Std.Pk
CMDB10/2	43 x 48 x 21.5	4	10
CMDB10/3	43 x 48 x 31.5	6	10
CMDB10/4	43 x 48 x 41.5	8	10
CMDB10/10	43 x 48 x 101.5	20	5

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
DIN Rail *for ordering information refer to page 62*				
End Stop *for ordering information refer to page 63*	CA702	50	CA702	50
	CA802	50	CA802	50
Marking Tags (MT Type)	MT8	100	MT10	100
Warning Label	SWL6	100		

COLOR BLOCKS
(other than grey standard)

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
Dark Brown	DB

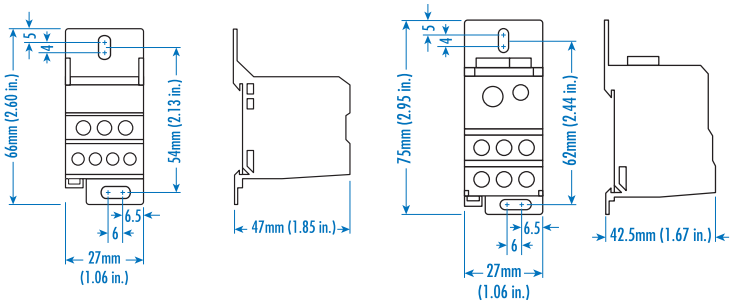
RoHS COMPLIANT

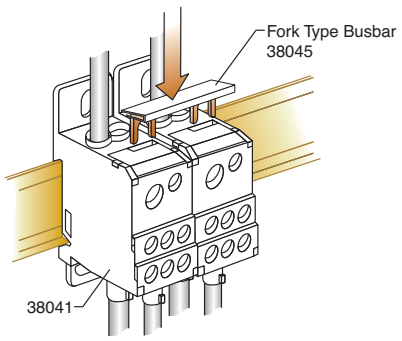
ONE PHASE POWER DISTRIBUTION BLOCKS

- Speed of mounting and wiring
- IP20 Finger Safe
- DIN Rail or Panel Mount
- Blocks fit with other DIN Rail mountable modular devices (height 95mm, depth 44.5mm)
- Accessories increase the number of outputs with only one input.

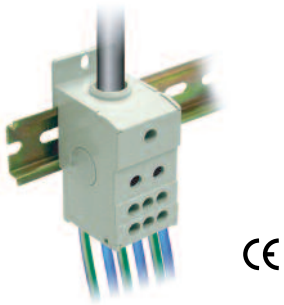
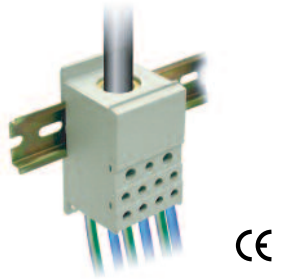
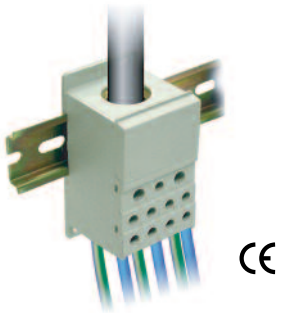
	38049		38041	
				
Part Number:				
White	**38049** (UL File E98082)		**38041** (UL File E98082)	
Gray	**DB16** (UL File E220514)		**DB35** (UL File E220514)	
Approvals	c UL us	IEC	c UL us	IEC
Current Rating	80A	80A	115A	125A
Voltage Rating	600V AC	690V AC	600V AC	690V AC
No. of Inputs	1	1	1	1
Wire Range	8-4 AWG	6-16mm²	8-2 AWG	10-35mm²
Torque	13.5lb.-in.	1.5Nm	31lb.-in. (40 for DB35)	3.5Nm
Screw Type	Pozi Drive 2		Pozi Drive 2	
No. of Outputs	6	6	6	6
Wire Range	(2x)8-4 AWG	(2x)6-16mm²	14-6 AWG	2.5-16mm²
Torque	13.5lb.-in.	1.5Nm	17.5lb.-in.	2Nm
Wire Range	(4x)14-10 AWG	(4x)2.5-6mm²		
Torque	7.2lb.-in.	0.8Nm		
Screw Type	Pozi Drive 2		Pozi Drive 2	
Optional Marking Tag (for DB16 and DB35)	MT2		MT2	

Dimensions:

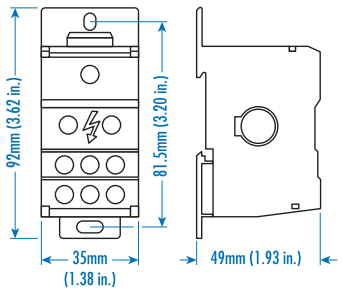


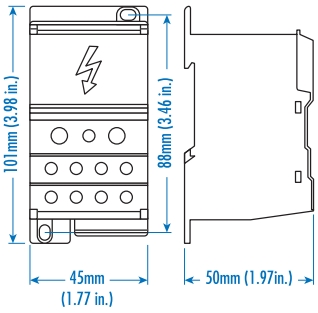


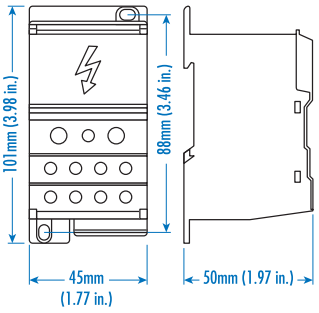
Accessories Part Number: Fork Type Busbar
38045 to jump 2 Blocks
38046 to jump 8 Blocks
can be cut to customer needs

	38032	38020	38019
			
Part Number:	**38032**	**38020**	**38019**
Approvals	c UL us E980082, c SP us, IEC	c UL us E980082, c SP us, IEC	c UL us E980082, c SP us, IEC
Current Rating	160A / 160A	230A / 250A	310A / 400A
Voltage Rating	600V AC / 690V AC	600V AC / 690V AC	600V AC / 690V AC
No. of Inputs	1 / 1	1 / 1	1 / 1
Wire Range	8-2/0AWG / 10-70mm²	2-4/0AWG / 35-120mm²	3/0-350kcmil / 95-185mm²
Torque	35.5lb. in. / 4Nm	170lb. in. / 19Nm	230lb. in. / 25Nm
No. of Outputs	6 / 6	11 / 11	11 / 11
Wire Range	14-6 AWG / 2.5-16mm²	2x 14-2AWG / 2.5-35mm²	2x 14-2AWG / 2.5-35mm²
Torque	17.5lb. in. / 2Nm	31lb. in. / 3.5Nm	31lb. in. / 3.5Nm
Wire Range		5x 14-6AWG / 2.5-16mm²	5x 14-6AWG / 2.5-16mm²
Torque		17.5lb. in. / 2Nm	17.5lb. in. / 2Nm
Wire Range		4x 14-8AWG / 2.5-10mm²	4 x 14-8AWG / 2.5-10mm²
Torque		17.5lb. in. / 2Nm	17.5lb. in. / 2Nm

Dimensions:

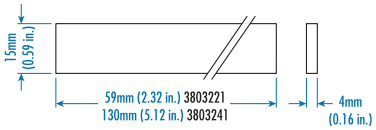


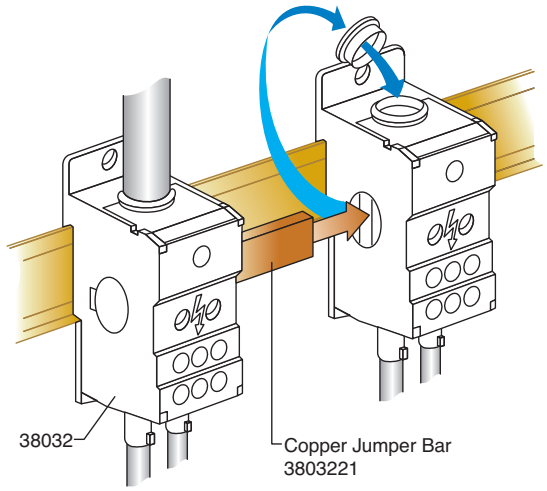




Accessories
Part Number:

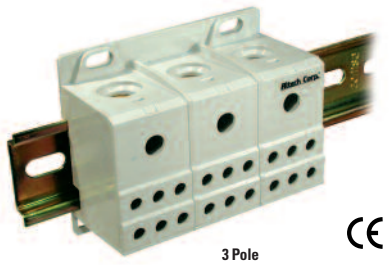
Copper Jumper Bar
3803221 for 2 Blocks
3803231 for 3 Blocks
3803241 for 4 Blocks
can be cut to customer needs





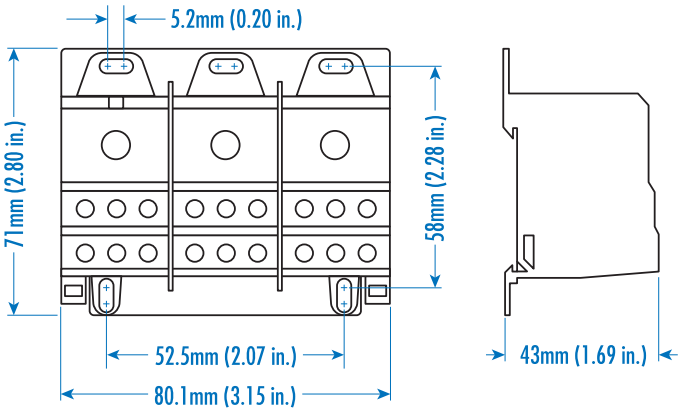
THREE PHASE POWER DISTRIBUTION BLOCKS

- Speed of mounting and wiring
- IP20 Finger Safe
- DIN Rail or Panel Mount
- Blocks fit with other DIN Rail mountable modular devices
- Same compact size for both ratings



Part Number:	38075		38073	
Approvals	c UL us E980082	IEC	c UL us E980082	IEC
Current Rating	115A	115A	175A	175A
Voltage Rating	600V AC	690V AC	600V AC	690V AC
No. of Inputs	3x1	3x1	3x1	3x1
Wire Range	8-2AWG	10-35mm^2	8-2/0AWG	10-70mm^2
Torque	31lb. in.	3.5Nm	35.5lb. in.	4Nm
No. of Outputs	3x6	3x6	3x6	3x6
Wire Range	14-4AWG	2.5-16mm^2	14-4AWG	2.5-16mm^2
Torque	17.5lb. in.	2Nm	17.5 lb. in.	2Nm

Dimensions:



GROUND

35 and 32mm DIN Rail

Use ground blocks instead of grounding studs and wire lugs to terminate ground wires, saving installation and wiring time.

Ground blocks clamp mechanically onto the DIN Rail by tightening the center mounting screw, making a reliable electrical connection between the cage clamp terminals and the DIN Rail. The rail serves as a busbar and automatically distributes ground potential to all other ground terminals on the same rail.

Ground blocks can also be used as end stops, preventing other terminal blocks and components from moving laterally on the DIN Rail.

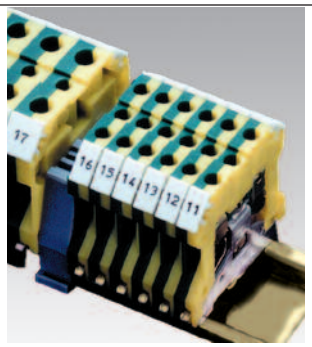
They are supplied with a standard green/yellow housing for easy identification and accept standard marking tags.

CGT4U, CGT10U and CGT35U can be mounted on both DIN 32mm and DIN 35mm rails.

CGT4N & CGT6N can be mounted on 35mm DIN rail and have the same top outer profile as the feed through blocks (CTS4U-N, CTS2.5U-N, CTS6U, CTS10U).

CGMT4 can be mounted on 15mm DIN rails and has the same top outer profile as the CMT4 feed through blocks.

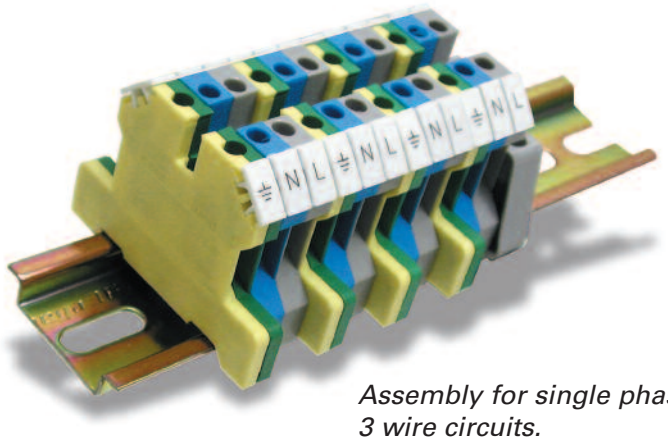
- High density
- Screw-cage clamp
- Special clamping foot
- Polyamide 6.6
- Color: green/yellow



	CGT4U	CGT4N
	 AEx eII EEx eII	
Terminal Width	6 mm	6 mm
Height x Length	48 x 43 mm	45.4 x 54.2 mm
Stripping Length	9 mm	9 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection	2 screw clamps	2 screw clamps
Approvals	E220514	E220514
Wire Range	22-10 AWG 0.5-4 sq.mm 22-10 AWG	22-10 AWG 0.5-4 sq.mm 22-10 AWG
Torque	7 lb-in 0.5 Nm 7 lb-in	7 lb-in 0.8 Nm 7 lb-in

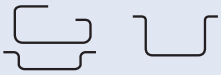
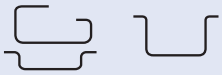
	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CGT4N	50	CGT4N	50
DIN Rail *for ordering information refer to page 62*				
End Plate	EPCGT4U	100	EPCGT4U	100
Marking Tags (MT Type)	MT6	100	MT6	100

RoHS COMPLIANT



Assembly for single phase 3 wire circuits.

CGT6N	CGT10U	CGT35U	CGMT4
	 AEx eII EEx eII		
8 mm	10 mm	16 mm	6 mm
47 x 54.5 mm	49.5 x 45 mm	61.5 x 58 mm	28.5 x 27 mm
12 mm	12 mm	18 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
2 screw clamps	2 screw clamps	2 screw clamps	2 screw clamps
22-8 AWG / 1.5-6 sq.mm / 22-8 AWG	22-6 AWG / 1.5-10 sq.mm / 16-8 AWG	8-2 AWG / 10-35 sq.mm / 8-2 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
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. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CGT6N	50	CGT10N	50	CGT35N	20	CGMT4	50
							
EPCGT4U	100	EPCGT4U	100	EPCGT4U	100	EPCGT4U	100
MT8	100	MT10	100	MT15	100	MT2	100

DISCONNECT
35 or 32mm DIN Rail

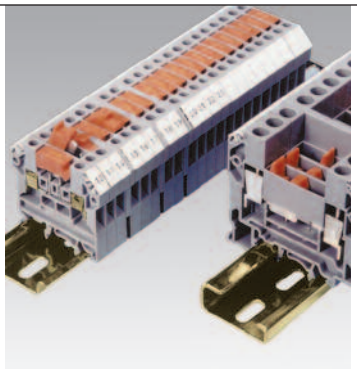
Disconnect and test terminals are an ideal choice for measuring control and regulatory circuits. The terminals provide a clear functional advantage for devices having utility instruments and associated transformers.

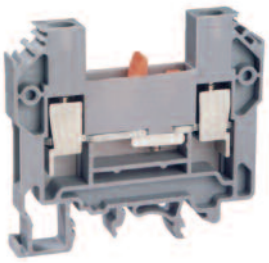
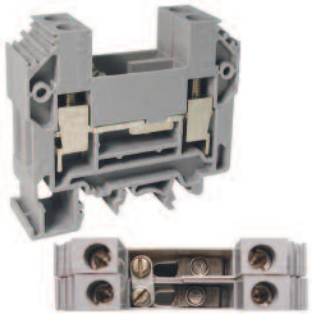
Five versions of disconnect and test terminals are available:

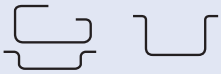
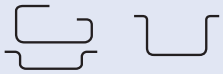
- CDTTU - disconnection is achieved by means of a slide link operated with a screw driver.
- CDTTU-SH - disconnect and test terminals are ideal for use in current transformer applications when it is mandatory to keep the secondary side shorted at any point while taking current measurements.
- CKT4U - disconnection is achieved by lifting the knife contact lever.
- CSDL4U - hinged diconnection and testing terminal, incorporates a connecting link in place of the fuse link.
- CSDL6U - hinged disconnect block for 8 AWG size wires.
- DDDL4U - double level disconnect terminal with hinged disconnect in upper level.

Specially designed socket head screws act as test/monitoring points in both CDTTU, CDTTU-SH and CKT4U.

Important: The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link/lever.



	CDTTU			CDTTU-SH		
						
Terminal Width	8 mm			16 mm		
Height x Length	57 x 63 mm			57 x 63 mm		
Stripping Length	12 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps			4 screw clamps		
Approvals	CSA c US, VDE, cULus E220514			CSA c US, IEC		
Wire Range	16-8 AWG	1.5-6 sq.mm	16-8 AWG	16-8 AWG	1.5-6 sq.mm	16-8 AWG
Voltage Rating	600 V	750 V	600 V	300 V	300 V	600 V
Current Rating	41 A	41 A	41 A	10 A	10 A	10 A
Torque	14 lb-in	1.2 Nm	14 lb-in	14 lb-in	1.6 Nm	14 lb-in

		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CDTTU	50	CDTTU-SH	50
End Plate		EPCDTTU	50	EPCDTTU	50
Isolation Partition					
DIN Rail for ordering information refer to page 62					
End Stop for ordering information refer to page 63		CA702 CA802	50 50	CA702 CA802	50 50
External Jumper for internal jumpers refer to page 60	 2 pole 3 pole 4 pole 10 pole	CA710/2 CA710/3 CA710/4 CA710/10	100 100 100 25	CA710/2 CA710/3 CA710/4 CA710/10	100 100 100 25
Marking Tags	(MT Type) (MT Type on Lever)	MT8	100	MT8	100

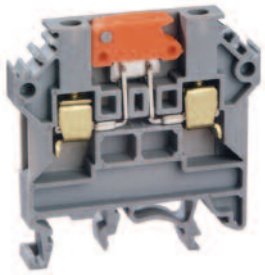
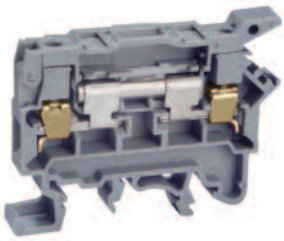
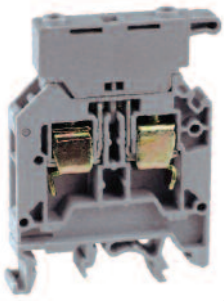
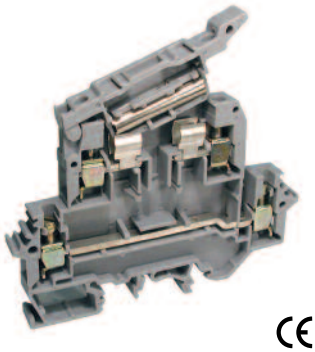
COLOR BLOCKS
(other than grey standard)

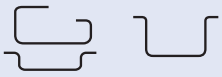
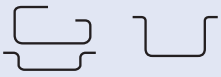
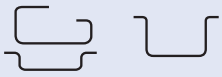
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

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

RoHS COMPLIANT

CKT4U	CSDL4U	CSDL6U	DDDL4U
			
6 mm	8 mm	8 mm	8 mm
46 x 46.3 mm	43 x 58 mm	60 x 43 mm	66 x 88 mm
9 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	2 screw clamps	2 screw clamps	4 screw clamps
c SA us / IEC / c UL us E220514	c SA us / c UL us E220514	c SA us	c SA us
22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-8 AWG / 1.5-6 sq.mm / 22-8 AWG	22-10 AWG / 22-10 AWG
600 V / 750 V / 600 V	600 V / 750 V / 600 V	300 V / 500 V / 300 V	600 V / 300 V
16 A / 16 A / 16 A	14 A / 6.3 A / 14 A	10 A / 6.3 A / 10 A	14 / 35 A / 14 / 35 A
7 lb-in / 0.5 Nm / 7 lb-in	7 lb-in / 0.5 Nm / 7 lb-in	14 lb-in / 0.8 Nm / 14 lb-in	7 lb-in / 7 lb-in

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CKT4U	50	CSDL4U	100	CSDL6U	50	DDDL4U	20
EPCKT4U	50	EPCSFL4U	50	EPCSFL6U	50	EPDDFL4U	25
		PPCSFL4U	50				
							
CA702	50	CA702	50	CA702	50	CA702	50
CA802	50	CA802	50	CA802	50	CA802	50
CA713/2	100	CA711/2	100	CA710/2	100	CA711/2	100
CA713/3	100	CA711/3	100	CA710/3	50	CA711/3	100
CA713/4	50	CA711/4	50	CA710/4	50	CA711/4	50
CA713/10	25	CA711/10	25	CA710/10	25	CA711/10	25
MT6	100	MT8	100	MT8	100	MT8	100
		MT2	100			MT2	100

FUSE BLOCKS

Certain electrical and control systems require protection by fuses. CSFL4U and CSFL6U have a specially designed space for cartridge type glass fuse and accept 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.

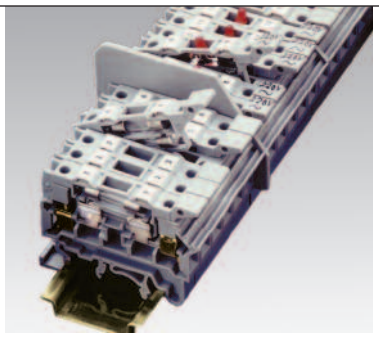
Altech fuse terminals are also available with light indication - CSFL4U(L). A specially designed built-in circuit gives light indication in the event of fuse blow out. Thus, fault in a circuit can be easily located.

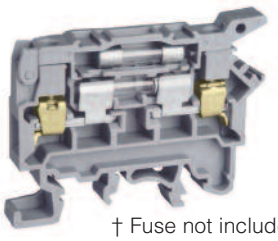
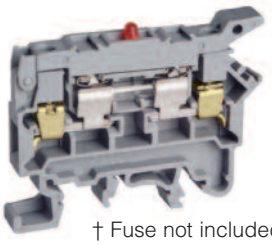
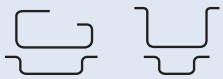
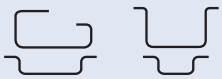
However, an application of such terminals must take into consideration residual current flow.

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

Important: The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link/lever.

† Fuses are sold separately Altech, see page 34 for details.



	CSFL4U			CSFL4U(L)*		
	 † Fuse not included.			 † Fuse not included.		
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	c SP us		c UL us E220514	c SP us		c UL us E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 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	16 A	6.3 A	8 A	6.3 A	6.3 A	8 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 *for ordering information refer to page 62*						
End Stop *for ordering information refer to page 63*	CA702 CA802	50 50		CA702 CA802	50 50	
External Jumper 2 pole 3 pole 4 pole 10 pole	CA711/2 CA711/3 CA711/4 CA711/10	100 100 50 25		CA711/2 CA711/3 CA711/4 CA711/10	100 100 50 25	
Marking Tags (MT Type) (MT Type on Lever)	MT8 MT2	100 100		MT8 MT2	100 100	

COLOR BLOCKS
(other than grey standard)

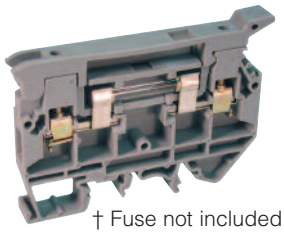
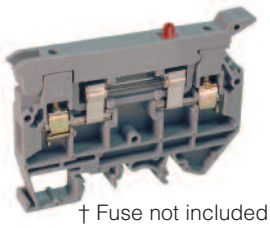
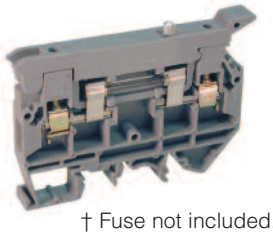
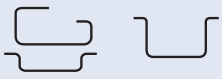
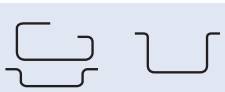
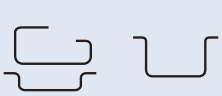
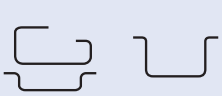
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

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

RoHS COMPLIANT

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

CAFL4U	CAFL4U(L)*	CAFL4U(N)	CSFL6U
 † Fuse not included.	 † Fuse not included.	 † Fuse not included.	 † Fuse not included.
9 mm	9 mm	9 mm	8 mm
50 x 72 mm	50 x 70 mm	50 x 70 mm	60 x 43 mm
12 mm	12 mm	12 mm	12 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
2 screw clamps	2 screw clamps	2 screw clamps	2 screw clamps
	24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC, 300V AC	110-220V AC	
Ø1/4x1 in., Ø1/4x1 1/4 in.	Ø1/4x1 in., Ø1/4x1 1/4 in.	Ø1/4x1 in., Ø1/4x1 1/4 in.	Ø5x20, Ø5x25 mm
c SP us	c SP us c UL us E220514	c SP us c UL us E220514	c SP us c UL us E220514
22-10 AWG 0.5-4 sq.mm 22-10 AWG	22-10 AWG 0.5-4 sq.mm 22-10 AWG	22-10 AWG 0.5-4 sq.mm 22-10 AWG	22-8 AWG 1.5-6 sq.mm 22-8 AWG
600 V 600 V 600 V	600 V 600 V 600 V	600 V 600 V 600 V	300 V 500 V 300 V
16 A 6.3 A 12 A	16 A 6.3 A 12 A	16 A 6.3 A 12 A	10 A 6.3 A 10 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	14 lb-in 0.8 Nm 14 lb-in
Cat. No. Std. Pk.	**Cat. No. Std. Pk.**	**Cat. No. Std. Pk.**	**Cat. No. Std. Pk.**
CAFL4U 25	CAFL4U(L)* 25	CAFL4U(N) 25	CSFL6U 50
EPCAFL4U 50	EPCAFL4U 50	EPCAFL4U 50	EPCSFL6U 50
			
CA702 50 CA802 50	CA702 50 CA802 50	CA702 50 CA802 50	CA702 50 CA802 50
CA716/2 50 CA716/3 50 CA716/4 50 CA716/10 25	CA716/2 50 CA716/3 50 CA716/4 50 CA716/10 25	CA716/2 50 CA716/3 50 CA716/4 50 CA716/10 25	CA710/2 100 CA710/3 100 CA710/4 100 CA710/10 25
MT9 100	MT9 100	MT9 100	MT8 100 MT6 100

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

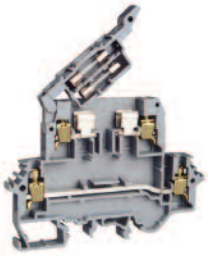
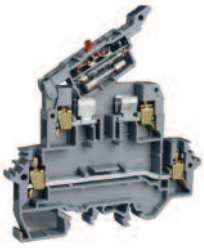
FUSE BLOCKS

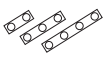
DDFL4U - Double Level Fuse Terminal with fuse link on the top level has a separate feed through terminal at the lower level. This eliminates use of an additional feed through terminal.

In DDFL4U(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.

DDFL4U(LR): This is a modified version of DDFL4U(E) terminal where in two equipotential connection points are available on both ends of the terminal. **Important:** The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link/lever.

† Fuses are sold separately Altech, see page 34 for details.

	DDFL4U			DDFL4U(E)*		
	 † Fuse not included.			 † Fuse not included.		
Terminal Width	8 mm			8 mm		
Height x Length	66 x 88 mm			66 x 88 mm		
Stripping Length	9.5 mm			9.5 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 screw clamps			4 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	c SP us		c UL us E220514	c SP us		c UL us E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	600 V	600 V	600 V	600 V	600 V
Current Rating — Top Level	6.3 A	6.3 A	8 A	6.3 A	6.3 A	8 A
Current Rating — Bottom Level	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. Pk.	Cat. No.	Std. Pk.
Terminal Block		DDFL4U	20	DDFL4U(E)*	20
End Plate		EPDDFL4U	25	EPDDFL4U	25
DIN Rail *for ordering information refer to page 62*					
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper — 2 pole		CA729/2	100	CA729/2	100
Internal Jumper — 3 pole		CA729/3	50	CA729/3	50
Internal Jumper — 4 pole		CA729/4	50	CA729/4	50
Internal Jumper — 10 pole		CA729/10	10	CA729/10	10
Insulated Internal Jumper — 2 pole		CA749/2	100	CA749/2	100
Insulated Internal Jumper — 3 pole		CA749/3	50	CA749/3	50
Insulated Internal Jumper — 4 pole		CA749/4	50	CA749/4	50
Insulated Internal Jumper — 10 pole		CA749/10	10	CA749/10	10
Current Bar — 2 pole		CA703/6	100	CA703/6	100
Current Bar — 3 pole		CA704/6	100	CA704/6	100
Current Bar — 4 pole		CA705/6	100	CA705/6	100
Current Bar — 10 pole		CA737/10	100	CA737/10	100
Shorting Sleeve & Screw		CA707/S/Q/3	100	CA707/S/Q/3	100
External Jumper — 2 pole		CA711/2	100	CA711/2	100
External Jumper — 3 pole		CA711/3	100	CA711/3	100
External Jumper — 4 pole		CA711/4	50	CA711/4	50
External Jumper — 10 pole		CA711/10	25	CA711/10	25
Marking Tags (MT Type)		MT8	100	MT8	100
Marking Tags (MT Type on Lever)		MT2	100	MT2	100

RoHS COMPLIANT

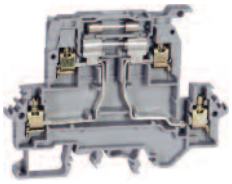
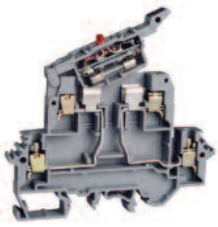
COLOR BLOCKS
(other than grey standard)

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
Dark Brown	DB

***Add required voltage to part number as a suffix. i.e. DDFL4U(E)/24 for 24V AC/DC. ** 25A @ 500 V, 10A @ 690V, 16A @ 500V for fast blow.**

	DDFL4ULR			DDFL4U(E)LR*		
						
	† Fuse not included.			† Fuse not included.		
Terminal Width	8 mm			8 mm		
Height x Length	66 x 88 mm			66 x 88 mm		
Stripping Length	9.5 mm			9.5 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 screw clamps			4 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	c SP us		c UL us E220514	c SP us		c UL us E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	600 V	600 V	600 V	600 V	600 V
Current Rating (Top Level / Bottom Level)	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	DDFL4ULR	20		DDFL4U(E)LR*	20	
End Plate	EPDDFL4U	20		EPDDFL4U	20	
DIN Rail *for ordering information refer to page 62*						
End Stop *for ordering information refer to page 63*	CA702 CA802	50 50		CA702 CA802	50 50	
Internal Jumper 2 pole 3 pole 4 pole 10 pole	CA729/2 CA729/3 CA729/4 CA729/10	100 50 50 10		CA729/2 CA729/3 CA729/4 CA729/10	100 50 50 10	
Insulated Internal Jumper 2 pole 3 pole 4 pole 10 pole	CA749/2 CA749/3 CA749/4 CA749/10	100 50 50 10		CA749/2 CA749/3 CA749/4 CA749/10	100 50 50 10	
Current Bar 2 pole 3 pole 4 pole 10 pole	CA703/6 CA704/6 CA705/6 CA738/10	100 100 100 100		CA703/6 CA704/6 CA705/6 CA737/10	100 100 100 100	
Shorting Sleeve & Screw	CA707/S/Q/3	100		CA707/S/Q/3	100	
External Jumper 2 pole 3 pole 4 pole 10 pole	CA711/2 CA711/3 CA711/4 CA711/10	100 100 50 25		CA711/2 CA711/3 CA711/4 CA711/10	100 100 50 25	
Marking Tags (MT Type) (MT Type on Lever)	MT8 MT2	100 100		MT8 MT2	100 100	

***Add required voltage to part number as a suffix. i.e. DDFL4U(E)LR/24 for 24V AC/DC. [1] Left or right side connection.**

FUSE HOLDERS

The main characteristics of fuse disconnectors are:

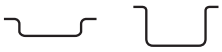
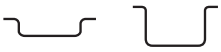
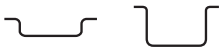
- Compliance with IEC 60947-1, IEC 60947-3
- UL508 recognized
- Plastic parts are made of material resistant to high temperatures
- All contact surfaces are silver plated
- Mounting on standard DIN 35 mm rail (DIN EN60715).
- Available up to 4 pole
- For all sizes a version with electronic indicator is available. There are two technical types of indicator:

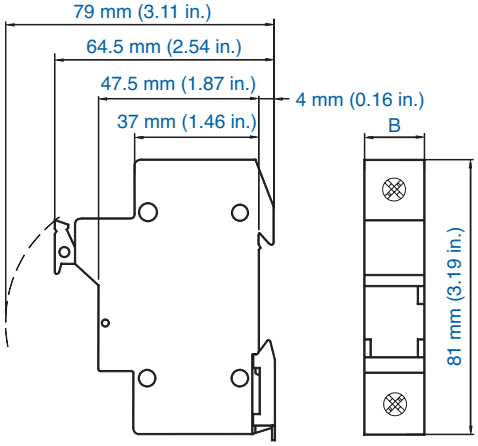
L (LED) with built in LED diode which blinks after the fuse-link operates. The internal circuit resistance is 2M, thus the total dissipation is minimal. The indicator is capable of operating in conditions of open circuit with minimum capacitance between connection cables. Operating voltage range spans from 50V to 690V AC and DC.

I (NEON) with neon lamp, which is constantly lit after the fuse-link operates. The internal circuit resistance is 570k, thus it is necessary that the circuit be closed in order for the indicator to function. The operational voltage range is 100 V to 750 V AC.

*** Fuses are sold separately Altech, see page 34 for details.**



	1 POLE			2 POLE			3 POLE		
									
Terminal Width (B)	17.5 mm			35 mm			52.5 mm		
Height x Length	77 x 63.5 mm			77 x 63.5 mm			77 x 63.5 mm		
Stripping Length	11 mm			11 mm			11 mm		
Insulation Material	Aculon ®			Aculon ®			Aculon ®		
Type of Connection	2 screw clamps			2 screw clamps			2 screw clamps		
Fusion Voltage									
Type of Fuse Used	Ø10 x 38 mm			Ø10 x 38 mm			Ø10 x 38 mm		
Approvals	c SP us		c UL us E212627	c SP us		c UL us E212627	c SP us		c UL us E212627
Wire Range	24-4 AWG	1.5-25sq.mm	24-4 AWG	24-4 AWG	1.5-25sq.mm	24-4 AWG	24-4 AWG	1.5-25sq.mm	24-4 AWG
Voltage Rating	690 V	400 V**	690 V	690 V	400 V**	690 V	690 V	400 V**	690 V
Current Rating	32A	32A**	32A	32A	32A**	32A	32A	32A**	32A
Torque	31 lb-in	2-2.5 Nm	31 lb-in	31 lb-in	2-2.5 Nm	31 lb-in	31 lb-in	2-2.5 Nm	31 lb-in
	Cat. No.	**Std. Pk.**		**Cat. No.**	**Std. Pk.**		**Cat. No.**	**Std. Pk.**	
Terminal Block Indicator:									
None	CB1038-1	1		CB1038-2	1		CB1038-3	1	
LED	CB1038-1/L	1		CB1038-2/L	1		CB1038-3/L	1	
Neon	CB1038-1/I	1		CB1038-2/I	1		CB1038-3/I	1	
End Plate									
DIN Rail *for ordering information refer to page 62*									
End Stop *for ordering information refer to page 63*	CA702	50		CA702	50		CA702	50	
	CA802	50		CA802	50		CA802	50	



Dimension for B:

1 Pole	17.5mm
1 Pole + Neutral	35mm
2 Pole	35mm
3 Pole	52.5mm
3 Pole + Neutral	70mm

FUSES

Cylinder Fuses are typically used in industrial applications to protect electrical devices such as motors, drives, etc.

They are available in four sizes with a current range from 1 to 125 Amps. Cylinder Fuses have metal caps at both ends, and a porcelain fuse body.

Please refer to pg 34 for ordering information for Cylinder Fuse Bases.

OPERATING CLASSES

gL/gG - Line Protection
Slow, typically used for distribution circuits or resistive loads.

Typical Markings: gL/gG

aM - Motor Protection
Fast acting short circuit protection, but slow acting overload protection.

Typical Marking: aM

aR - Semiconductor Protection

Partial range, short circuit protection for devices such as diodes, SCRs. etc.

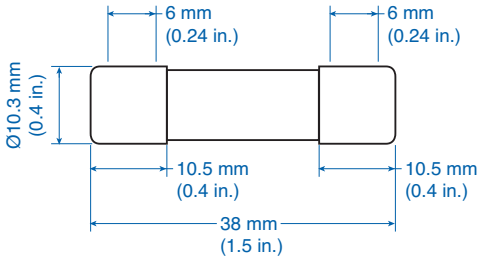
Typical Markings: Ultra Rapid™, Sitor™, Silcu™, Protister™, Recticur™, Ultra Quick™, aR

gR - Semiconductor Protection

Full range, short circuit protection for devices such as diodes, SCRs. etc.

Typical Markings: Ultra Rapid™, Sitor™, Silcu™, Protister™, Recticur™, Ultra Quick™, gR

Note:
Other fuse sizes and fuse holders are available. Please refer to the Altech Eurpean Fuse catalog for more information.



gL/gG - Line Protection

Standard: IEC 20269-4-1 and IEC60269-1
Rated Voltage: 500V



10x38

Rated Current/ Rated Voltate	Cat. No.	Std. Pk.
0.5A	2620017	10
1A	2620000	10
2A	2620001	10
4A	2620003	10
6A	2620005	10
8A	2620006	10
10A	2620007	10
12A	2620008	10
16A	2620009	10
20A	2620011	10
25A	2620013	10
32A*	2620015	10

*400V

aM - Motor Protection

Standard: IEC 20269-4-1 and IEC60269-1
Rated Voltage: 500V



10x38

Rated Current/ Rated Voltate	Cat. No.	Std. Pk.
0.5A	2621017	10
1A	2621000	10
2A	2621001	10
4A	2621003	10
6A	2621005	10
8A	2621006	10
10A	2621007	10
12A	2621008	10
16A	2621009	10
20A	2621011	10
25A	2621013	10
32A*	2621015	10

*400V

aR - Semiconductor Protection

Standard: IEC 60269-4-1
Breaking Capacity: ~200 kA
Rated Voltage: ~600V**



10x38

In (A)	Cat. No.	Operating I²-value (A's)	Power Dissipation (W)	Std. Pk.
6	2625005	30	1.5	10
8	2625006	50	2	10
10	2625007	70	2.5	10
12	2625008	120	3	10
16	2625009	150	3.5	10
20	2625011	260	4.8	10
25	2625013	290	6	10
32	2625015	600	7.5	10

** 6-25A (700V DC/ breaking capacity ⎓ 50kA)
32A (400V DC/ breaking capacity ⎓ 50kA)

gR - Semiconductor Protection

Standard: IEC 60269-4-1
Breaking Capacity: ~200 kA
Rated Voltage: ~690V

c UL us Certified for 700V

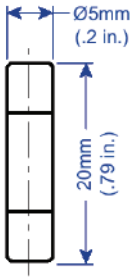
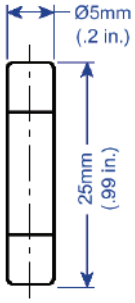
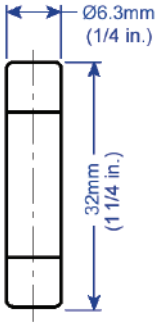


10x38

In (A)	Cat. No.	Operating I²-value (A's)	Power Dissipation (W)	Std. Pk.
1	2645126	1.6	1	10
2	2645127	8	1.8	10
4	2645128	8	1.1	10
6	2645129	25	1.6	10
8	2645130	39	1.8	10
10	2645131	66	2.1	10
12	2645132	87	3.1	10
16	2645133	166	4.4	10
20	2645134	280	5.8	10
25	2645135	580	6.8	10
30	2645136	1.010	8.2	10

MINIATURE FUSES

Miniature Fuses are typically used to protect electronic devices, laboratory and measurement instruments, stereos, TV's, VCR's etc. They are available in four sizes with a current range of 20mA to 20 Amps. Miniature Fuses are manufactured according to VDE 0820 part 1, VDE 0820 part 2, IEC publication 127, CEE publication 4 and actual DIN standards.
The 5x20, 5x25 fuses can be used in the CSFL4U series terminal blocks. The 6.3x32 fuse can be used in the CAFL4U series terminal blocks.
Operating Class:
Slow, Typical Marking: "T"
Medium, Typical Marking: "M"
Fast, Typical Marking: "F"

5 X 20	5 X 25	6.3 X 32 (1/4" X 1-1/4")
 c UL us upon request		 c UL us upon request
		

	Voltage 250V AC/DC DIN 41662 IEC-127-2/III	DIN 41571-2	DIN 41661 IEC-127-2/II	Voltage 250V AC/DC DIN 41571-2	Voltage 250V AC/DC	
		Cat. No.		Cat. No.	Cat. No.	
Current	Slow	Medium	Fast	Medium	Slow	Fast
20mA		0.02M5x20M				
32mA		0.032M5x20M		0.032M5x25M	0.032M6.3x32Tv	
40mA				0.04M5x25M	0.04M6.3x32Tv	
50mA	0.05M5x20T[4]	0.05M5x20M	0.05M5x20F[4]	0.05M5x25M	0.05M6.3x32T[4]	0.05M6.3x32F
63mA		0.063M5x20M		0.063M5x25M	0.063M6.3x32T[4]	0.063M6.3x32F
80mA	0.08M5x20T[4]	0.08M5x20M		0.08M5x25M	0.08M6.3x32T[4]	0.08M6.3x32F
100mA	0.1M5x20T[4]	0.1M5x20M	0.1M5x20F[4]	0.1M5x25M	0.1M6.3x32T[4]	0.1M6.3x32F
125mA	0.125M5x20T[4]	0.125M5x20M	0.125M5x20F[4]	0.125M5x25M	0.125M6.3x32T[4]	0.125M6.3x32F
160mA	0.16M5x20T[4]	0.16M5x20M	0.16M5x20F[4]	0.16M5x25M	0.16M6.3x32T[4]	0.16M6.3x32F
200mA	0.2M5x20T[4]	0.2M5x20M	0.2M5x20F[4]	0.2M5x25M	0.2M6.3x32T[4]	0.2M6.3x32F
250mA	0.25M5x20T[4]	0.25M5x20M	0.25M5x20F[4]	0.25M5x25M	0.25M6.3x32T[4]	0.25M6.3x32F
315mA	0.315M5x20T[4]	0.315M5x20M	0.315M5x20F[4]	0.315M5x25M	0.315M6.3x32T[4]	0.315M6.3x32F
400mA	0.4M5x20T[4]	0.4M5x20M	0.4M5x20F[4]	0.4M5x25M	0.4M6.3x32T[4]	0.4M6.3x32F
500mA	0.5M5x20T[4]	0.5M5x20M	0.5M5x20F[4]	0.5M5x25M	0.5M6.3x32T[4]	0.5M6.3x32F
630mA	0.63M5x20T[4]	0.63M5x20M	0.63M5x20F[4]	0.63M5x25M	0.63M6.3x32T[4]	0.63M6.3x32F
700mA	0.7M5x20T[4]	0.7M5x20M	0.7M5x20F[4]	0.8M5x25M	0.7M6.3x32T[4]	0.7M6.3x32F
800mA	0.8M5x20T[4]	0.8M5x20M	0.8M5x20F[4]		0.8M6.3x32T[4]	0.8M6.3x32F
1.0A	1.0M5x20T[4]	1.0M5x20M	1.0M5x20F[4]	1.0M5x25M	1.0M6.3x32T[4]	1.0M6.3x32F[4]
1.25A	1.25M5x20T[4]	1.25M5x20M	1.25M5x20F[4]	1.25M5x25M	1.25M6.3x32T[4]	1.25M6.3x32F[4]
1.4A	1.4M5x20T[4]	1.4M5x20M		1.6M5x25M		
1.6A	1.6M5x20T[4]	1.6M5x20M	1.6M5x20F[4]		1.6M6.3x32T[4]	1.6M6.3x32F[4]
2.0A	2.0M5x20T[4]	2.0M5x20M	2.0M5x20F[4]	2.0M5x25M	2.0M6.3x32T[4]	2.0M6.3x32F[4]
2.5A	2.5M5x20T[4]	2.5M5x20M	2.5M5x20F[4]	2.5M5x25M	2.5M6.3x32T[4]	2.5M6.3x32F[2,4]
3.15A	3.15M5x20T[4]	3.15M5x20M	3.15M5x20F[4]	3.15M5x25M	3.15M6.3x32T[4]	3.15M6.3x32F[2,4]
4.0A	4.0M5x20T[4]	4.0M5x20M	4.0M5x20F[4]	4.0M5x25M	4.0M6.3x32T[4]	4.0M6.3x32F[2,4]
5.0A	5.0M5x20T[4]	5.0M5x20M	5.0M5x20F[4]	5.0M5x25M	5.0M6.3x32T[4]	5.0M6.3x32F[3,4]
6.3A	6.3M5x20T[4]	6.3M5x20M	6.3M5x20F[4]	6.3M5x25M	6.3M6.3x32T[4]	6.3M6.3x32F[3,4]
7.0A					7.0M6.3x32T[4]	7.0M6.3x32F[3]
8.0A	8.0M5x20T[1]	8.0M5x20M	8.0M5x20F[1]		8.0M6.3x32T[4]	8.0M6.3x32F[3]
10.0A	10.0M5x20T[1]	10.0M5x20M	10.0M5x20F[1]	8.0M5x25M[1]	10.0M6.3x32T[4]	10.0M6.3x32F[3]
12.5A	12.5M5x20T[1]	12.5M5x20M[1]	12.5M5x20F[1]	10.0M5x25M[1]	12.5M6.3x32T[4]	12.5M6.3x32F[3]
16.0A	16.0M5x20T[1]	16.0M5x20M[1]	16.0M5x20F[1]	16.0M5x25M[1]	16.0M6.3x32T[4]	16.0M6.3x32F[3]
20.0A	20.0M5x20T[1]	20.0M5x20M[1]	20.0M5x20F[1]		20.0M6.3x32T[4]	20.0M6.3x32F[3]
	Std. Pk. 10			Std. Pk. 10	Std. Pk. 10	

1 Not standard rating.
2 Rated Voltage 150V.
3 Rated Voltage 60V.
4 UL recognized version available upon request.

THERMOCOUPLE TERMINAL BLOCK

Altech thermocouple terminal blocks are designed for use in temperature measuring circuits.

The current carrying part of the terminal blocks have the same material (according to DIN437134 and DIN43714) which is used for compensating cables in the temperature measurement circuit (up to 200°C). Thus fulfilling the norms stated in DIN EN60584.

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

- CTT2.5UK 'K' type - Chromel (NiCr) Alumel (NiAl)
- CTT2.5UJ 'J' type - Iron (Fe) Constantan (CuNi)
- CTT2.5UT 'T' type - Copper (Cu) Constantan (CuNi)
- CTT2.5UE 'E' type - Chromel (NiCr) Constantan (CuNi)

RoHS COMPLIANT

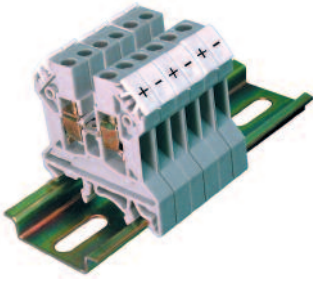
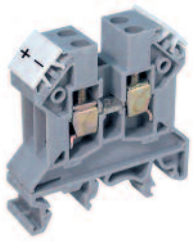
COLOR BLOCKS

(other than grey standard)

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
Dark Brown	DB

	CTT2.5UK/J/T/E
	
	
Terminal Width	10 mm
Height x Length	45 x 43 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Current Carrying Material	Chromel/Alumel (NiCr/NiAl)
Type of Connection	4 screw clamps
Ratings:	
Wire Range	22-12 AWG
Voltage Rating	300 V
Current Rating	10 A
Torque	7 lb-in

	Cat. No.	Std. Pk.
Terminal Block	CTT2.5UK CTT2.5UJ CTT2.5UT CTT2.5UE	50 50 50 50
End Plate 	EP2.5/4UN	50
Isolation Plate 	PP2.5/4UN	50
DIN Rail *for ordering information refer to page 63*		
End Clamp 	CA802 CA702	100 100

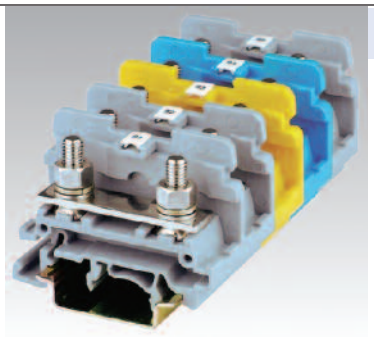
Stud Type Terminal Blocks

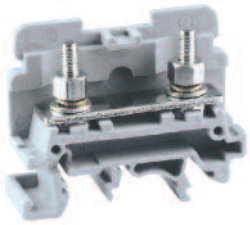
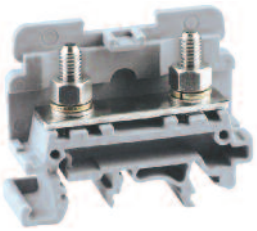
Altech DIN rail mounting Stud Type Terminal Blocks are preferred for the connections that are subjected to very severe vibrations.

The wire is crimped to a ring / fork type lug and is screwed on to the flat current bar in terminal. The range includes terminal blocks for wires of size 22-4 AWG.

Jumpering can be achieved with the aid of external jumpers. The jumpers are insulated to make them shock proof. The terminal blocks have marker holding recess to accommodate MT type marking tags.

It is recommended to use protective covers in transparent plastic because assemblies of these terminals blocks are not fully covered.



	CSTSN4U			CSTSN5U		
						
Terminal Width	17 mm			17 mm		
Height x Length	44.5 x 50 mm			44.5 x 50 mm		
Stripping Length	12 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw connection for M4 ring/fork lugs			2 screw connection for M5 ring/fork lugs		
Approvals	c SP us [1]	IEC	c UL us E220514	c SP us [1]	IEC	c UL us E220514
Wire Range	22-6 AWG	1.5-10 sq.mm	22-6 AWG	22-4 AWG	1.5-16 sq.mm	22-4 AWG
Voltage Rating	600 V	800 V	600 V	600 V	800 V	600 V
Current Rating	65 A	57 A	65 A	80 A	76 A	80 A
Torque	14 lb-in	1.2 Nm	14 lb-in	17.5 lb-in	2.0 Nm	17.5 lb-in

		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CSTSN4U	100	CSTSN5U	100
End Plate		EPCSTSN5U	50	EPCSTSN5U	50
DIN Rail for ordering information refer to page 62					
End Stop for ordering information refer to page 63		CA702 CA802	50 50	CA702 CA802	50 50
Protective Cover for covering	2 Terminal 3 Terminal	CSTSPC1 CSTSPC1-1	100 100	CSTSPC1 CSTSPC1-1	100 100
Protective Cover in Length	100 mm 200 mm 300 mm	CSTSPC1-2 CSTSPC1-3 CSTSPC1-4	10 10 10	CSTSPC1-2 CSTSPC1-3 CSTSPC1-4	10 10 10
Insulated Removable Jumpers	2 way 3 way 4 way	CA514/1-2 CA514/1-3 CA514/1-4	100 50 50	CA514/1-2 CA514/1-3 CA514/1-4	100 50 50
Insulated Permanent Jumpers	2 way 3 way 4 way	CA514/3-2 CA514/3-3 CA514/3-4	100 50 50	CA514/3-2 CA514/3-3 CA514/3-4	100 50 50
Marking Tags (MT Type)		MT2	100	MT2	100

RoHS COMPLIANT

COLOR BLOCKS

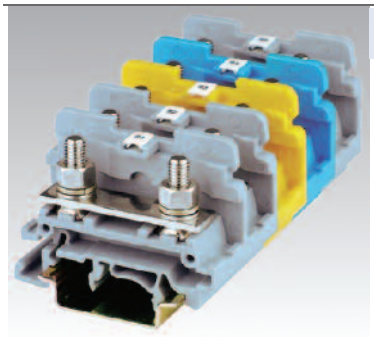
(other than grey standard)

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
Dark Brown	DB

[1] Approval pending.







	CSTSB4U			CSTSB5U		
Terminal Width	17 mm			17 mm		
Height x Length	44.5 x 50 mm			44.5 x 50 mm		
Stripping Length	12 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw connection for M4 ring/fork lugs			2 screw connection for M5 ring/fork lugs		
Approvals	c SA us [1]	IEC	c UL us E220514	c SA us [1]	IEC	c UL us E220514
Wire Range	22-6 AWG	1.5-10 sq.mm	22-6 AWG	22-4 AWG	1.5-16 sq.mm	22-4 AWG
Voltage Rating	600 V	800 V	600 V	600 V	800 V	600 V
Current Rating	65 A	57 A	65 A	80 A	76 A	80 A
Torque	14 lb-in	1.2 Nm	14 lb-in	17.5 lb-in	2.0 Nm	17.5 lb-in

		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CSTSB4U	100	CSTSB5U	100
End Plate		EPCSTN5U	50	EPCSTN5U	50
DIN Rail for ordering information refer to page 62					
End Stop for ordering information refer to page 63		CA702 CA802	50 50	CA702 CA802	50 50
Protective Cover for covering	2 Terminal 3 Terminal	CSTSPC1 CSTSPC1-1	100 100	CSTSPC1 CSTSPC1-1	100 100
Protective Cover in Length	100 mm 200 mm 300 mm	CSTSPC1-2 CSTSPC1-3 CSTSPC1-4	10 10 10	CSTSPC1-2 CSTSPC1-3 CSTSPC1-4	10 10 10
Insulated Removable Jumpers	2 way 3 way 4 way	CA514/1-2 CA514/1-3 CA514/1-4	100 50 50	CA514/1-2 CA514/1-3 CA514/1-4	100 50 50
Insulated Permanent Jumpers	2 way 3 way 4 way	CA514/3-2 CA514/3-3 CA514/3-4	100 50 50	CA514/3-2 CA514/3-3 CA514/3-4	100 50 50
Marking Tags (MT Type)		MT2	100	MT2	100

[1] Approval pending.

INDICATOR/ DIODE CIRCUITS

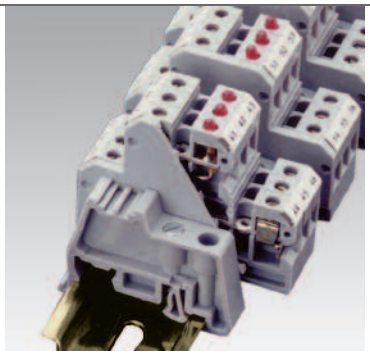
35 or 32mm DIN Rail

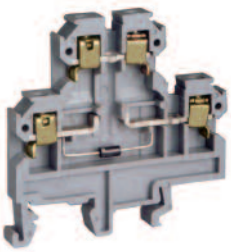
Altech offers different types of terminals incorporating electronic components for signal converting, circuit protection and status indication. Based on customer requirements, specially assembled terminals are offered.

CDL4U(O) - Double level terminal with open lower current bar to accommodate electronic components like diodes, resistors, LEDs, etc.

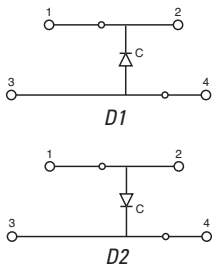
Diode Specifications

Diode	1N 4007
Diode Reverse Voltage	1000 V
Diode Current	1 A



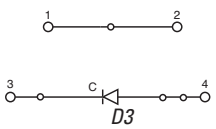
	CDL4U(E)D1/D2			CDL4U(E)D3		
	 *With arc suppression circuit for contactors and solenoid valves - DC*			 *Diode circuit for reverse polarity protection*		
Terminal Width	6 mm			6 mm		
Height x Length	54 x 55.5 mm			54 x 55.5 mm		
Terminal Voltage	300 V~			300 V~		
Stripping Length	9 mm			9 mm		
Approvals	CSA US	IEC	UL E220514	CSA US	IEC	UL E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	400 V	600 V	600 V	400 V	600 V
Current Rating	25 A	32 A	35 A	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. Pk.	Cat. No.	Std. Pk.
Terminal Block		CDL4U(E)D1 CDL4U(E)D2	100 100	CDL4U(E)D3	100
End Plate		EPCDL4U	50	EPCDL4U	50
DIN Rail *for ordering information refer to page 62*					
End Stop *for ordering information refer to page 63*		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	10 10 10 10	CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 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
Marking Tags	(MT Type)	MT2	100	MT2	100



D1

D2



D3

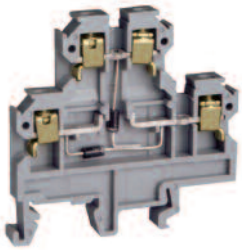
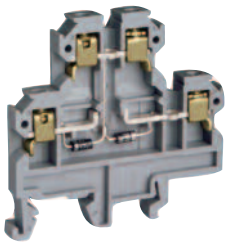
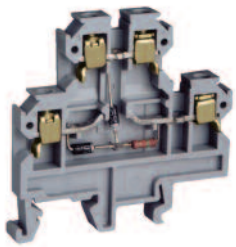
RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

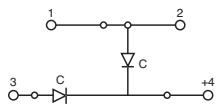
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

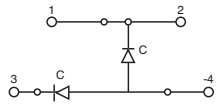
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

CDL4U(E)DD1/DD2	CDL4U(E)DD3/DD4	CDL4U(E)D4	CDL4U(E)DD5
			
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*
6 mm	6 mm	6 mm	6 mm
54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm
300 V~	300 V~	24 V–	24 V~
9 mm	9 mm	9 mm	9 mm
c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514
22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
600 V / 400 V / 600 V	600 V / 400 V / 600 V	600 V / 400 V / 600 V	600 V / 400 V / 600 V
25 A / 32 A / 35 A	25 A / 32 A / 35 A	25 A / 32 A / 35 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	7 lb-in / 0.5 Nm / 7 lb-in	7 lb-in / 0.5 Nm / 7 lb-in

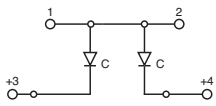
Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CDL4U(E)DD1	100	CDL4U(E)DD3	100	CDL4U(E)D4	100	CDL4U(E)DD5	100
CDL4U(E)DD2	100	CDL4U(E)DD4	100				
EPCDL4U	50	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
							
CA702	50	CA702	50	CA702	50	CA702	50
CA802	50	CA802	50	CA802	50	CA802	50
CA727/2	10	CA727/2	10	CA727/2	10	CA727/2	10
CA727/3	10	CA727/3	10	CA727/3	10	CA727/3	10
CA727/4	10	CA727/4	10	CA727/4	10	CA727/4	10
CA727/10	10	CA727/10	10	CA727/10	10	CA727/10	10
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
CA732/10-A	100	CA732/10-A	100	CA732/10-A	100	CA732/10-A	100
CA732/100	10	CA732/100	10	CA732/100	10	CA732/100	10
CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100
MT2	100	MT2	100	MT2	100	MT2	100



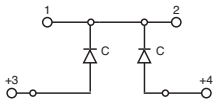
DD1



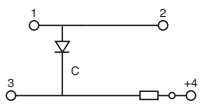
DD2



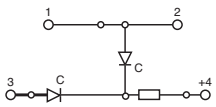
DD3



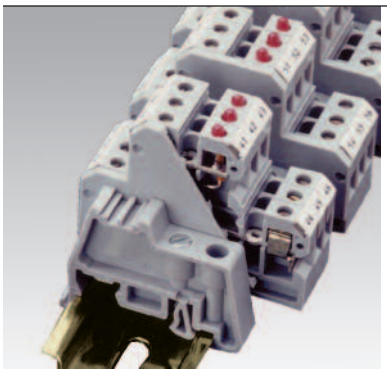
DD4

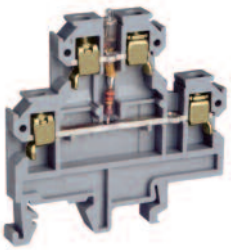
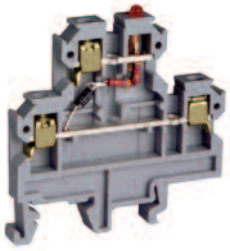
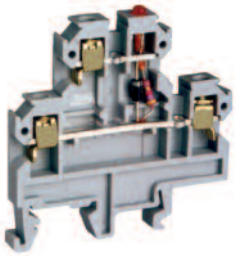


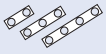
D4

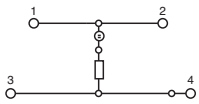


DD5

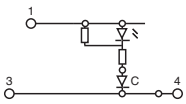


	CDL4U(E)N1	CDL4U(E)LD5*	CDL4U(E)LD3*
	 *AC voltage indicator with neon lamp*	 *AC voltage indicator with LED*	 *AC/ DC voltage indicator with LED*
Terminal Width	6 mm	6 mm	6 mm
Height x Length	54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm
Terminal Voltage	100 V~ to 220 V	24 V~, 48 V~, 120V~, 220V~	12 V⎓, 24 V⎓
Stripping Length	9 mm	9 mm	9 mm
Approvals	CSA US · IEC · cULus E220514	CSA US · IEC · cULus E220514	CSA US · IEC · cULus E220514
Wire Range	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
Voltage Rating	600 V / 400 V / 600 V	600 V / 400 V / 600 V	600 V / 400 V / 600 V
Current Rating	25 A / 32 A / 35 A	25 A / 32 A / 35 A	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	7 lb-in / 0.5 Nm / 7 lb-in

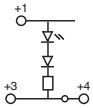
		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CDL4U(E)N1	50	CDL4U(E)LD5*	50	CDL4U(E)LD3*	50
End Plate		EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
DIN Rail *for ordering information refer to page 62*							
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper							
2 pole		CA727/2	10	CA727/2	10	CA727/2	10
3 pole		CA727/3	10	CA727/3	10	CA727/3	10
4 pole		CA727/4	10	CA727/4	10	CA727/4	10
10 pole		CA727/10	10	CA727/10	10	CA727/10	10
Current Bars							
2 pole		CA703/1	100	CA703/1	100	CA703/1	100
3 pole		CA704/1	100	CA704/1	100	CA704/1	100
4 pole		CA705/1	100	CA705/1	100	CA705/1	100
10 pole		CA732/10	100	CA732/10	100	CA732/10	100
10 pole (breakable)		CA732/10-A	100	CA732/10-A	100	CA732/10-A	100
100 pole		CA732/100	10	CA732/100	10	CA732/100	10
Shorting Sleeve & Screw		CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100
Marking Tags (MT Type)		MT2	100	MT2	100	MT2	100



N1

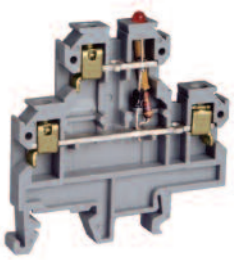
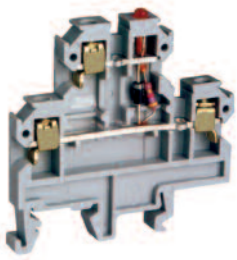
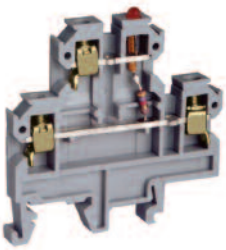
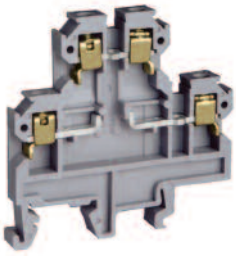


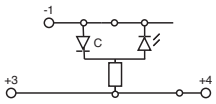
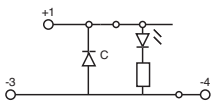
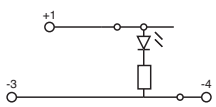
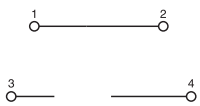
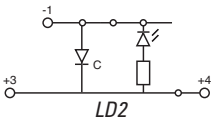
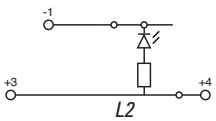
LD5



LD3

*** Add required voltage to part number as a suffix**
i.e. CDL4U(E)LD5/110 is for 110V.

CDL4U(E)LD4*	CDL4U(E)LD1/LD2	CDL4U(E)L1/L2*	CDL4U(O)
			
AC/ DC voltage indicator with LED	*DC voltage indicator with LED*	*DC voltage indicator with LED*	*Electronic Component Carrier*
6 mm	6 mm	6 mm	6 mm
54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm
24 V≃	24 V–	6 V–, 24 V–, 60 V–	–
9 mm	9 mm	9 mm	9 mm
c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514	c SP us / IEC / c UL us E220514
22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
600 V / 400 V / 600 V	600 V / 400 V / 600 V	600 V / 400 V / 600 V	600 V / 400 V / 600 V
25 A / 32 A / 35 A	25 A / 32 A / 35 A	25 A / 32 A / 35 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	7 lb-in / 0.5 Nm / 7 lb-in	7 lb-in / 0.5 Nm / 7 lb-in

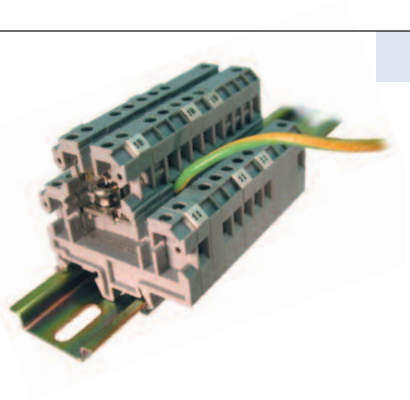
Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CDL4U(E)LD4*	50	CDL4U(E)LD1 CDL4U(E)LD2	50 50	CDL4U(E)L1* CDL4U(E)L2*	50 50	CDL4U(O)	100
EPCDL4U	50	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
							
CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 10	CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 10	CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 10	CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 10
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	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
CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100	CA607/S/Q	100
MT2	100	MT2	100	MT2	100	MT2	100
							
LD4		*LD1*		*L1*			
							
		LD2		*L2*			

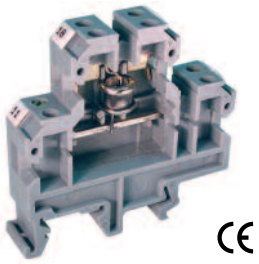
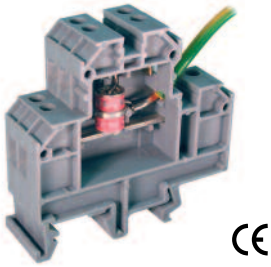
* Add required voltage to part number as a suffix
i.e. CDL4U(E)LD5/110 is for 110V.

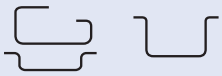
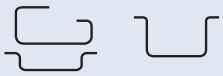
SURGE SUPPRESSOR TERMINAL BLOCKS

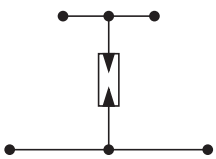
In applications where circuit protection against transient overvoltage is required, Altech Surge Suppressor Terminal Blocks with built-in electronic components are recommended.

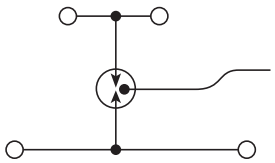
These terminals are designed to protect a single line against a longitudinal (line / earth) surge, thereby protecting distribution and inputs.



	CDL4U(E)LA	CDL4U(E)3LA
	 *Lightning Arrestor*	 *3 Pole Lightning Arrestor*
Terminal Width	12 mm	18 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	4 screw clamps
Ratings		
Wire Range	22-10 AWG	22-10 AWG
Voltage Rating	75, 90, 240, 600, 1000 V DC	90, 250, 350, 450 V DC
Nominal Discharge Current	20 KA (8/20 µs)	10 KA (8/20 µs)
Peak Current	–	–
Response Time	100 ns	100 ns
Nominal Current	10A	5A
Capacitance	<1.5 pf	<1.0 pf
Application	For coarse line protection of measuring, distributing or data communication interfaces.	For simultaneous protection of lines against transversal (line/line) and longitudinal (line/earth) surge.

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CDL4U(E)LA*	20	CDL4U(E)3LA*	20
End Plate 	EPCDL4U	50	EPCDL4U	50
DIN Rail *for ordering information refer to page 62*				
End Stop *for ordering information refer to page 63* 	CA702 CA802	50 50	CA702 CA802	50 50
Marking Tags (MT Type) 	MT2	100	MT2	100





*** Add required voltage to part number as a suffix i.e. CDL4U(E)LA/75 is for 75V.**

RoHS COMPLIANT

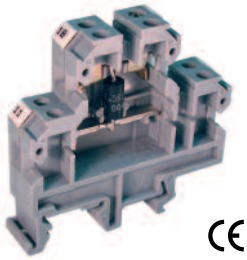
COLOR BLOCKS

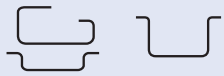
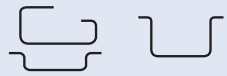
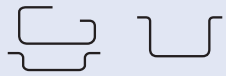
(other than grey standard)

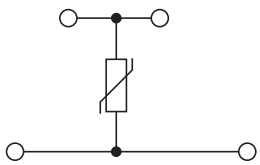
When ordering please add color suffix to Cat. No.

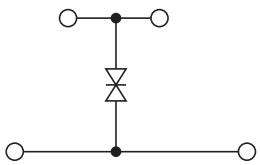
Example: CTS2.5U-N/R

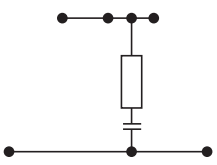
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

CDL4U(E)MOV[1]	CDL4U(E)SD	CDL4U(E)RC
		
MOV	*Suppressor Diode*	*RC Circuit*
12 mm	12 mm	18 mm
54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm
9 mm	9 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
4 screw clamps	4 screw clamps	4 screw clamps
22-10 AWG	22-10 AWG	22-10 AWG
130 V AC*	12-48V DC / 12-160V AC**	250 V AC / 330 V DC
–	1.5 KA (8/20 µs)	20A
2kA-6.5kA (8/20 µs)	–	–
<25ns	1 ns DC / 5 ns AC	–
10A	10A	10A
100-20,000 pf	–	0.1 µf or 0.22 µf[2]
For protection from voltage surge, spikes	For fine protection of data interfcaes, sensors, contacts, etc.	For protection of DC solenoid valves and contactors

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CDL4U(E)MOV	20	CDL4U(E)SD	20	CDL4U(E)RC	10
EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
					
CA702	50	CA702	50	CA702	50
CA802	50	CA802	50	CA802	50
MT2	100	MT2	100	MT2	100







1 A fuse block is recommended to protect MOV terminals by disconnecting the faulted varistor. See pages 28-30 for fuse blocks.

* Other voltages available upon request. Call Altech for voltage selection.

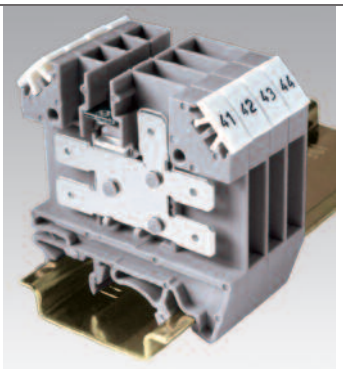
** Phase to Phase / Phase to ground. Call Altech for voltage selection.

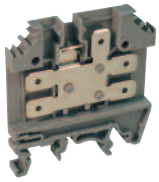
TAB, TERMI-POINT® TERMINAL BLOCKS

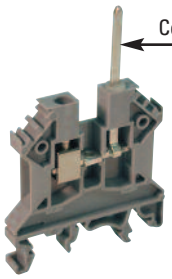
CTC4U Tab Connection terminals offer quick connection. Connection is achieved by pushing the lug onto the tab blade of the terminal block. The terminal housing is so designed that the wall protrudes beyond the tab blades.

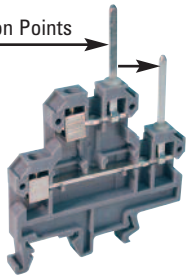
The CTS4U-TM single level and the CDL4U-TM double level terminal blocks have a provision for clip connection according to DIN 41611-4. Three wires (0.5 sq. mm) can be connected with a clip onto the pin using a special tool *(contact Altech for information)*. These terminal blocks provide high wiring density without extension of the mounting rail.

CTC4U is used primarily in railway systems. The CTS4U-TM and the CDL4U-TM is used mostly in the telecommunications industry.









	CTC4U		CTS4U-TM		CDL4U-TM	
Terminal Width	6 mm		6 mm		6 mm	
Height x Length	49.5 x 47 mm		67 x 43 mm		84 x 55.5 mm	
Stripping Length	9 mm		9 mm		9 mm	
Insulation Material	Polyamide 6.6		Polyamide 6.6		Polyamide 6.6	
Type of Connection	5 tab connection points and 1 tapped hole for cross connectior		1 srew connection and 1 blade fo 3 (0.5 sq. mm) connections		2 srew connections and 2 blades for 6 (0.5 sq. mm) connections	
Approvals						
Rated Cross Section	0.5-4 sq.mm	22-12 AWG	0.5-4 sq.mm	22-12 AWG	0.5-4 sq.mm	22-12 AWG
Voltage Rating	250 V	300 V	250 V	300 V	250 V	300 V
Current Rating	32 A	25 A	10 A	10 A	10 A	10 A
Tab Blade Size (mm)	6.3 x 0.8	6.3 x 0.8	0.8 x 1.6	0.8 x 1.6	0.8 x 1.6	0.8 x 1.6

		Cat No.	Std. Pk.	Cat No.	Std. Pk.	Cat No.	Std. Pk.
Terminal Block		CTC4U	100	CTS4U-TM	100	CDL4U-TM	100
End Plate		EPCTC4U	50	EP2.5/4UN	50	EPCDL4U	50
DIN Rail *for ordering information refer to page 62*							
End Stop *for ordering information refer to page 63*		CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper	2 way 3 way 4 way 10 way	CA727/2 CA727/3 CA727/4 CA727/10	100 50 50 10	CA722/2 CA722/3 CA722/4 CA722/10	100 50 50 10	CA727/2 CA727/3 CA727/4 CA727/10	10 10 10 10
Insulated Internal Jumper	2 way 3 way 4 way 10 way	CA747/2 CA747/3 CA747/4 CA747/10	100 50 50 10	CA742/2 CA742/3 CA742/4 CA742/10	100 50 50 10	CA747/2 CA747/ CA747/ CA747/10	100 50 50 10
Current Bars	2 way 3 way 4 way 10 way 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	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	CA707/S/Q/01	100	CA607/S/Q	100
External Jumper	2 pole 3 pole 4 pole 10 pole			CA713/2 CA713/3 CA713/4 CA713/10	100 100 50 25	CA714/2 CA714/3 CA714/4 CA714/10	100 100 50 25
Marking Tags (MT Type)		MT6	100	MT6	100	MT2	100

RoHS COMPLIANT

COLOR BLOCKS

(other than grey standard)

When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

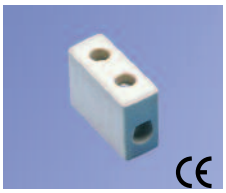
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

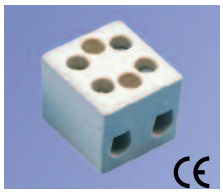
HIGH TEMPERATURE CERAMIC EUROBLOCKS™

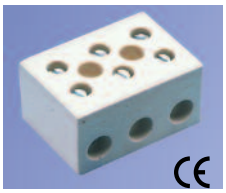


Suitable for use in high temperature applications up to 600°C (1112°F). Applications include hot melt glue guns, furnaces, heaters, process equipment and machinery. Terminal blocks are offered with mounting holes for panel mounting or free floating applications.

- Compact, space saving
- Tubular screw clamp
- Free float or panel mount
- Temperature range: 600°C (1112°F)
- Standard color: white
- Material
  Housing: ceramic
  Clamp: brass
  Screws: zinc plated steel



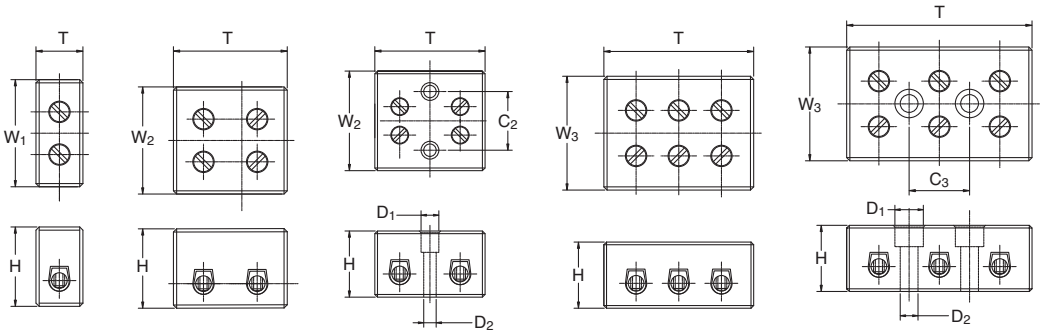




	CB4		CB6		CB16	
Insulation Material	Ceramic		Ceramic		Ceramic	
Approvals	c SA us	c UL us E220514	c SA us	c UL us E220514	c SA us	c UL us E220514
Wire Range	24-12 AWG	24-12 AWG	22-10 AWG	20-10 AWG	20-6 AWG	18-6 AWG
Voltage Rating	300V	300V	300V	300V	300V	300V
Current Rating	30 A	20 A	40 A	30 A	76 A	65 A

No. of Poles	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
1 (free floating)	CB4/1	50	CB6/1	50		
2 (free floating)	CB4/2	50				
2 (with mounting holes)	CB4/2H	50	CB6/2H	50	CB16/2H	50
3 (free floating)	CB4/3	50				
3 (with mounting holes)	CB4/3H	50	CB6/3H	50	CB16/3H	50

1 Pole | 2 Pole | 2 Pole with mounting hole | 3 Pole | 3 Pole with mounting hole



Dimensions mm

		W	T	H	C	D1	D2	Fixing Screw	Stripping Length
CB4/1	1 POLE	23	11	18.5	*				6
CB4/2	2 POLE	23	18	18.5	*				6
CB4/2H	2 POLE	23	24	18.5	14.6	6	3.5	M3X16	6
CB4/3	3 POLE	25	25	18.5	*				6
CB4/3H	3 POLE	25.4	36	18.5	13	6	3.5	M3X16	6
CB6/1	1 POLE	25	12	19.5	*				6
CB6/2H	2 POLE	25.5	26	19.5	12.6	6		M3X16	6
CB6/3H	3 POLE	25.5	41	19.5	15	6		M3X16	6
CB16/2H	2 POLE	28	31	23.2	16.5	6	3.5	M3X20	8.5
CB16/3H	3 POLE	27.5	48	23.2	17	6	3.5	M3X20	8.5

Note: All dimensions are shown in mm, to convert to inches please divide by 25.4.

MINI FEED-THROUGH
15mm DIN Rail

For wire-to-wire connecting in control, automation, instrumentation and power distribution applications.

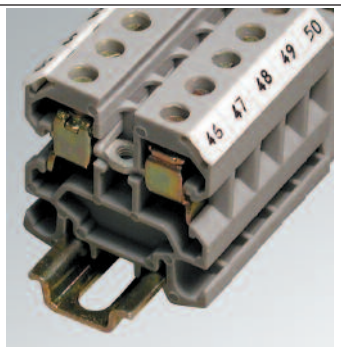
Altech "miniature" terminal blocks offer tremendous space advantage as demanded by certain wiring configurations.

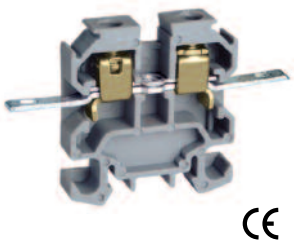
FUSE BLOCKS

Certain electrical and control systems require protection by fuses. The terminal has a hinged carrier that has a specially designed space for a cartridge type glass fuse of size Ø5 x 20 or Ø5 x 25 mm. The fuse can be engaged or disengaged by the movement of the carrier.

Altech fuse terminals are also available with light indication - CSFL 4U (L). A specially designed built-in circuit gives light indication in the event of fuse blow out.

† Fuses are sold separately Altech, see page 34 for details.



	CMT4			CMT4S		
						
Terminal Width	6 mm			6 mm		
Height x Length	29 x 27 mm			29 x 46 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps & 1 tapped hole for cross connection			2 screw clamps, 2 solder points and 1 tapped hole for cross connection		
Type of Fuse Used	—			—		
Approvals	SP US	IEC	UL E220514	SP US	IEC	UL E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG	22-12 AWG	Upto 1.5 sq.mm	22-10 AWG
Voltage Rating	300 V	400 V	300 V	300 V	160 V	300 V
Current Rating	35 A	32 A	35 A	25 A	15 A	35 A
Torque	6 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		CMT4	100	CMT4S	50
End Plate		EPCMT4	50	EPCMT4	50
Isolation Partition		PPCMT4	50	PPCMT4	50
DIN Rail *for ordering information refer to page 62*			15 mm		15 mm
End Stop *for ordering information refer to page 63*		CA602	100	CA602	50
Internal Jumper	2 pole	CA727/2	100	CA727/2	100
	3 pole	CA727/3	50	CA727/3	50
	4 pole	CA727/4	50	CA727/4	50
	10 pole	CA727/10	10	CA727/10	10
Insulated Internal Jumper	2 pole	CA747/2	100	CA747/2	100
	3 pole	CA747/3	50	CA747/3	50
	4 pole	CA747/4	50	CA747/4	50
	10 pole	CA747/10	10	CA747/10	10
Current Bars	2 pole	CA703/1	100	CA703/1	100
	3 pole	CA704/1	100	CA704/1	100
	4 pole	CA705/1	100	CA705/1	100
	10 pole	CA732/10	100	CA732/10	100
	10 pole (breakable)	CA732/10-A	100	CA732/10-A	100
	100 pole	CA732/100	10	CA732/100	10
Shorting Sleeve & Screw		CA607/S/Q	100	CA607/S/Q	100
External Jumper	2 pole	CA714/2	100	CA714/2	100
	3 pole	CA714/3	100	CA714/3	100
	4 pole	CA714/4	50	CA714/4	50
	10 pole	CA714/10	25	CA714/10	25
Marking Tags (MT Type) (MT Type on Lever)		MT2	100	MT2	100

RoHS COMPLIANT

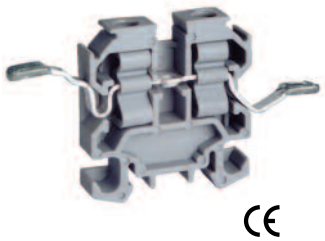
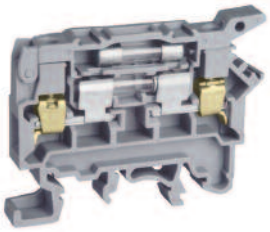
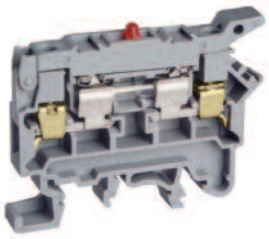
COLOR BLOCKS
(other than grey standard)

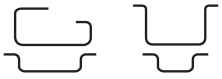
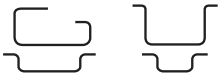
When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

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

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

CMT4SU	CSFL4U	CSFL4U(L)*	CGMT4
	 † Fuse not included.	 † Fuse not included.	
6 mm	8 mm	8 mm	6 mm
29 x 35.5 mm	43 x 58 mm	43 x 58 mm	28.5 x 27 mm
9 mm	9.5 mm	9.5 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
2 uneven level solder points & 1 tapped hole for cross connection	2 screw clamps	2 screw clamps	2 screw clamps
—	Ø5x20, Ø5x25mm	Ø5x20, Ø5x25mm	—
E220514	E220514	E220514	E220514
22-14 AWG / Upto 1.5 sq.mm / 22-14 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG	22-10 AWG / 0.5-4 sq.mm / 22-10 AWG
300 V / 160 V / 300 V	600 V / 600 V / 600 V	600 V / 600 V / 600 V	
15 A / 15 A / 20 A	6.3 A / 6.3 A / 8 A	6.3 A / 6.3 A / 8 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

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CMT4SU	100	CSFL4U	100	CSFL4U(L)*	100	CGMT4	50
EPCMT4	50	EPCSFL4U	50	EPCSFL4U	50		
PPCMT4	50	PPCSFL4U	50	PPCSFL4U	50		
15 mm						15 mm	
CA602	50	CA602	100	CA602	100		
CA727/2	100						
CA727/3	50						
CA727/4	50						
CA727/10	10						
CA747/2	100						
CA747/3	50						
CA747/4	50						
CA747/10	10						
CA703/1	10						
CA704/1	10						
CA705/1	10						
CA732/10	10						
CA732/10-A	100						
CA732/100	10						
CA607/S/Q	10						
		CA711/2	100	CA711/2	100		
		CA711/3	100	CA711/3	100		
		CA711/4	50	CA711/4	50		
		CA711/10	25	CA711/10	25		
MT2	100	MT8	100	MT8	100	MT2	100
		MT2	100	MT2	100		

MINI FEED-THROUGH
Panel Mount

For use when space constraints require extremely compact solutions and internal jumping is required.

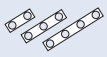
Individual components can be used to build your own assemblies. Just snap the required number of terminal block components together and place a Mounting Section on each end.

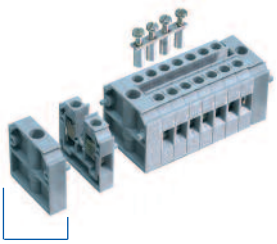
The CMB 4 accepts internal jumpers and standard marking tags.

- Extremely compact and cost effective
- High density
- Screw-cage clamp
- Internal jumping provision
- Polyamide 6.6
- Standard color: gray



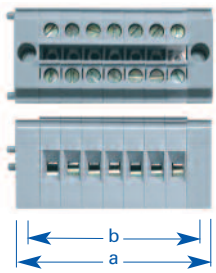
	CMB4		
			
Terminal Width	6 mm		
Height x Length	28 x 27 mm		
Stripping Length	9 mm		
Insulation Material	Polyamide 6.6		
Type of Connection	2 screw clamps & 1 tapped hole for cross connection		
Approvals	c SP us	VDE	c UL us E220514
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	300 V	400 V	300 V
Current Rating	35 A	32 A	35 A
Torque	7 lb-in	0.5 Nm	7 lb-in

		Cat. No.	Std. Pk.
Terminal Block		CMB4	100
Mounting Section		EPCMB4	50
Separator Plate		SPCMB4	100
Mounting Screw*			
Internal Jumper	 2 pole 3 pole 4 pole 10 pole	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
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
Shorting Sleeve & Screw		CA607/S/Q	100
External Jumper	 2 pole 3 pole 4 pole 10 pole	CA714/2 CA714/3 CA714/4 CA714/10	100 100 50 25
Marking Tags (MT Type)		MT2	100



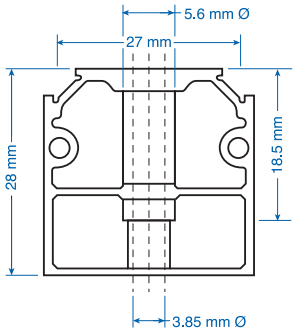
EP CMB4

Preassembled blocks are also available for quick and easy installations.
See Dimensions below.



Dimensions mm (in.)
CMB4

Cat No.	No. of Poles	Width (a)	Hole Spacing (b)
CMB4/2	2	26 (1.02)	19 (0.75)
CMB4/3	3	32 (1.26)	25 (0.98)
CMB4/4	4	38 (1.50)	31 (1.22)
CMB4/5	5	44 (1.73)	37 (1.46)
CMB4/6	6	50 (1.97)	43 (1.69)
CMB4/7	7	56 (2.20)	49 (1.93)
CMB4/8	8	62 (2.44)	55 (2.17)
CMB4/9	9	68 (2.68)	61 (2.40)
CMB4/10	10	74 (2.91)	67 (2.64)
CMB4/11	11	80 (3.15)	73 (2.87)
CMB4/12	12	86 (3.39)	79 (3.11)
CMB4/13	13	92 (3.62)	85 (3.35)
CMB4/14	14	98 (3.86)	91 (3.58)
CMB4/15	15	104 (4.09)	97 (3.82)
CMB4/16	16	110 (4.33)	103 (4.06)
CMB4/17	17	116 (4.57)	109 (4.29)
CMB4/18	18	122 (4.80)	115 (4.53)
CMB4/19	19	128 (5.04)	121 (4.76)
CMB4/20	20	134 (5.28)	127 (5.00)
CMB4/21	21	140 (5.51)	133 (5.24)
CMB4/22	22	146 (5.75)	139 (5.47)
CMB4/23	23	152 (5.98)	145 (5.71)
CMB4/24	24	158 (6.22)	151 (5.94)



Mounting Section
EPCMB4

* Any length M3 screw may be used.

RoHS COMPLIANT

COLOR BLOCKS
(other than grey standard)

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
Dark Brown	DB

BUSBAR SYSTEM
Panel Mount

A quick reliable solution for ground, neutral or low voltage distribution applications. The Busbar System consists of a busbar, busbar supports, and screw clamp terminals for terminating wires

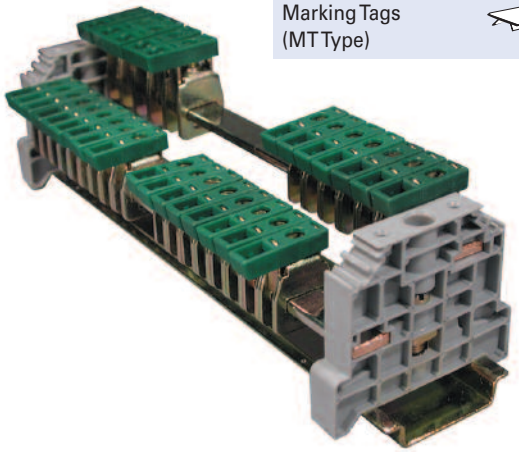
NEB 10 (10 x 3 mm) and NEB 6 (6 x 6 mm), tin plated copper busbars are available in one meter lengths. Both have a 140A current carrying capacity.

NES plastic support with fixing screws for holding 10 x 3 & 6 x 6 busbar makes placing of busbar an easy task. Busbars up to 200 mm length should be supported at ends by two busbar supports. For busbars exceeding 200 mm length, it is recommended to provide intermediate busbar support. Easy to operate CENC clamp secures wire to the busbar.



	CENC4			CENC16			CENC35		
									
Terminal Width	7.5 mm			9.8 mm			14.5 mm		
Height x Length	30 x 23.3 mm			36 x 23.3 mm			45 x 27.3 mm		
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		
Approvals	c SA us	VDE	c UL us E220514	c SA us	VDE	c UL us E220514	c SA us	VDE	c UL us E220514
Wire Range	22-12 AWG	0.5-6 sq.mm	22-12 AWG	9-6 AWG	6-16 sq.mm	10-6 AWG	7-2 AWG	10-35 sq.mm	8-2 AWG
Current Rating*	25 A	41 A		76 A	76 A		125 A	125 A	
Torque	14 lb-in	0.8 Nm	14 lb-in	14 lb-in	2.0 Nm	17.5 lb-in	25 lb-in	2.5 Nm	25 lb-in

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block Green Cap **	CENC4	50	CENC16	50	CENC35	50
Busbar (10 x 3 mm) 	NEB10	1 m	NEB10	1 m	NEB10	1 m
Busbar (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/Bus bar support for rail mounting	CA202	50	CA202	50	CA202	50
Marking Tags (MT Type) 	MT5	100	MT6	100	MT6	100



* 140A current carrying capacity of busbar should be taken into account while connecting loads.
** Consult for other available colors.