

Feed-Through

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 Ex 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.



CTS2.5U-N



CTS4U-N



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 connect.			2 screw clamps & 1 tapped hole for cross connect.		
Approvals						
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	800 V	600 V	600 V	800 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

Other Approvals



Terminal Block

End Plate	
Isolation Partition	
Separator Plate	

DIN Rail
for ordering information
refer to page 70



End Stop	
for ordering information refer to page 72	

Internal Jumper		2 pole	CA721/2	100
		3 pole	CA721/3	50
		4 pole	CA721/4	50
		10 pole	CA721/10	10
		100 pole	CA721/100	10

Insulated Internal Jumper		2 pole	CA741/2	100
		3 pole	CA741/3	50
		4 pole	CA741/4	50
		10 pole	CA741/10	10
		100 pole	CA741/100	10

Current Bars		2 pole	CA703/01	100
		3 pole	CA704/01	100
		4 pole	CA705/01	100
		10 pole	CA731/10	100
		10 pole (breakable)	—	—
		100 pole	CA731/100	10

Shorting Sleeve & Screw		CA 707/S/Q/01	100
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External Jumper		2 pole	CA717/2	100
		3 pole	CA717/3	100
		4 pole	CA717/4	100
		10 pole	CA717/10	25

Marking Tags		MT5	100
		MT6F	10

Cat. No.	Std. Pk.
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CTS2.5U-N	50
EP2.5/4UN	50
PP2.5/4UN	50
SP2.5/4UN	100

CA702	50
CA802	50

CA721/2	100
CA721/3	50
CA721/4	50
CA721/10	10
CA721/100	10

CA741/2	100
CA741/3	50
CA741/4	50
CA741/10	10
CA741/100	10

CA703/01	100
CA704/01	100
CA705/01	100
CA731/10	100
—	—
CA731/100	10

CA 707/S/Q/01	100
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CA717/2	100
CA717/3	100
CA717/4	100
CA717/10	25

MT5	100
MT6F	10

Cat. No.	Std. Pk.
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CTS4U-N	50
EP2.5/4UN	50
PP2.5/4UN	50
SP2.5/4UN	100

CA702	50
CA802	50

CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA722/100	10

CA742/2	100
CA742/3	50
CA742/4	50
CA742/10	10
CA742/100	10

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA707/S/Q/01	100
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CA713/2	100
CA713/3	100
CA713/4	50
CA713/10	25

MT6	100
MT6F	10

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

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

CTS6U


8 mm

47 x 43 mm

12 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.



22-8 AWG 1.5-6 sq.mm 22-8 AWG

600 V 750 V 600 V

50 A 41 A 50 A

9 lb-in 0.8 Nm 14 lb-in



Cat. No.	Std. Pk.
CTS6U	50
EP6/10U	50
PP6/10U	50
SP6/10U	100



CA702	50
CA802	50

CA723/2	100
CA723/3	50
CA723/4	50
CA723/10	10

CA743/2	100
CA743/3	50
CA743/4	50
CA743/10	10

CA703/2	100
CA704/2	100
CA705/2	100
CA733/10	100

CA707/S/Q/1	100
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CA710/2	100
CA710/3	100
CA710/4	100
CA710/10	25

MT8	100
MT6F	10

CTS10U


10 mm

47 x 43 mm

12 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.



22-6 AWG 1.5-10 sq.mm 16-6 AWG

600 V 750 V 600 V

65 A 57 A 65 A

14 lb-in 1.2 Nm 14 lb-in



Cat. No.	Std. Pk.
CTS10U	50
EP6/10U	50
PP6/10U	50
SP6/10U	100



CA702	50
CA802	50

CA724/2	100
CA724/3	50
CA724/4	50
CA724/10	10

CA744/2	100
CA744/3	50
CA744/4	50
CA744/10	10

CA703/3	100
CA704/3	100
CA705/3	100
CA734/10	100

CA707/S/Q/1	100
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CA718/2	100
CA718/3	50
CA718/4	50
CA718/10	25

MT10	100
MT6F	10

CTS16U


12 mm

47 x 43 mm

16 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.

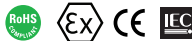


22-6 AWG 2.5-16 sq.mm 20-4 AWG

600 V 800 V 600 V

70 A 76 A 85 A

14 lb-in 1.2 Nm 14 lb-in



Cat. No.	Std. Pk.
CTS16U	50
EP6/10U	50
PP6/10U	50
SP6/10U	100



CA702	50
CA802	50

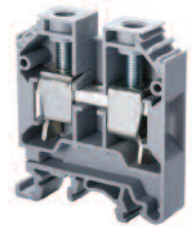
CA751/2	50
CA751/3	50
CA751/4	50
CA751/10	10

CA761/2	50
CA761/3	50
CA761/4	50
CA761/10	10

CA703/8	100
CA704/8	100
CA705/8	100
CA739/10	100

CA707/S/Q/5	100
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MT12	100
MT6F	10

CTS25U


12 mm

56 x 49 mm

18 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.



12-2 AWG 6-25 sq.mm 14-2 AWG

600 V 800 V 600 V

115 A 101 A 115 A

25 lb-in 2.0 Nm 25 lb-in



Cat. No.	Std. Pk.
CTS25U	50
EP25U	50
PP25UN	50



CA702	50
CA802	50

CA725/2	50
CA725/3	25
CA725/4	25
CA725/10	10

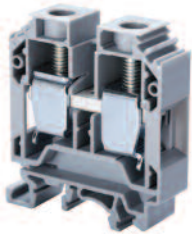
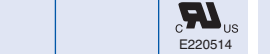
CA745/2	50
CA745/3	25
CA745/4	25
CA745/10	10

CA703/4	100
CA704/4	100
CA705/4	100
CA735/10	100

CA707/S/Q/2	100
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MT12	100
MT6F	10

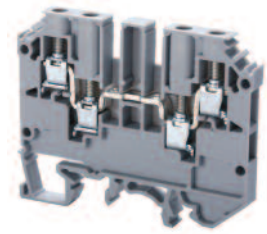
Feed-Through

	CTS35U			CTS35UN			CTS50U			CTS95U		
												
Terminal Width	15 mm			16 mm			20.5 mm			25 mm		
Height x Length	58 x 52.5 mm			58 x 52.5 mm			75.5 x 71 mm			90 x 83 mm		
Stripping Length	18 mm			18 mm			22 mm			24 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps & 1 tapped hole for cross			2 screw clamps & 1 tapped hole for cross			2 screw clamp connections			2 screw clamp connections		
Approvals												
Wire Range	8-2 AWG	10-35 sq.mm	8-2 AWG	2-12 AWG	4-35 sq.mm	2-12 AWG	6-2/0 AWG	16-50 sq.mm	6-2/0 AWG	2-4/0 AWG	25-95 sq.mm	2-4/0 AWG
Voltage Rating	600 V	750 V	600 V	600 V	750 V	600 V	600V	1000 V	600 V	600V	1000 V	600 V
Current Rating	145 A	125 A	145 A	130 A	125 A	130 A	150 A	150 A	150 A	230 A	232 A	230 A
Torque	25 lb-in	2.5 Nm	25 lb-in	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
Other Approvals												
Terminal Block	CTS35U	50		CTS35UN	50		CTS50U	10		CTS95U	10	
Isolation Partition 	PP35U	50		PP35UN	50							
DIN Rail for ordering information refer to page 70 												
End Stop for ordering info. refer to page 72 	CA702	50		CA702	50		CA202	50		CA202	50	
	CA802	50		CA802	50		CA102	50		CA102	50	
Internal Jumper 	2 pole	CA726/2	50	CA771/2	50							
	3 pole	CA726/3	25	CA771/3	25							
	4 pole	CA726/4	25	CA771/4	25							
	10 pole	CA726/10	10	CA771/10	10							
	100 pole											
Insulated Internal Jumper 	2 pole	CA746/2	50	CA781/2	50							
	3 pole	CA746/3	25	CA781/3	25							
	4 pole	CA746/4	25	CA781/4	25							
	10 pole	CA746/10	10	CA781/10	10							
	100 pole											
Current Bars 	2 pole	CA703/5	100	CA703/10	100							
	3 pole	CA704/5	100	CA704/10	100							
	4 pole	CA705/5	100	CA705/10	100							
	10 pole	CA736/10	100	CA770/10	100							
	10 pole (breakable)											
	100 pole											
Shorting Sleeve & Screw 	CA707/S/Q/2 100			CA707/S/Q/2 100								
External Jumper 	2 pole											
	3 pole											
	4 pole											
	10 pole											
Marking Tags 	MT15	100		MT16	100		MT20	100		MT25	100	
	MT6F	10		MT6F	10		MT6F	10		MT6F	10	

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						
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	650 V	600 V	600 V	650 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.
Other Approvals						

		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block		CMC1-2	100	CMC2-2	50
End Plate		EPCMC1-2	50	EPCMC2-2	50
Separator Plate					
DIN Rail for ordering information refer to page 70					
End Stop for ordering information refer to page 72		CA702	50	CA702	50
		CA802	50	CA802	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	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		MT6	100	MT6	100

COLOR BLOCKS
(other than grey standard)

When ordering please add color suffix to Cat. No.

Example: CTS2.5U-N/R

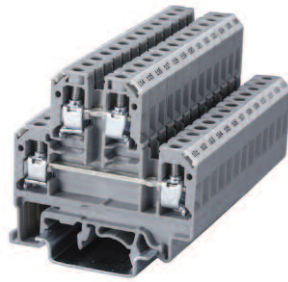
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

Feed-Through Double Level

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.

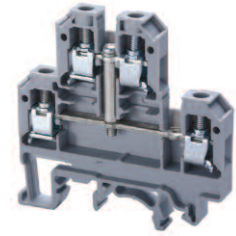
CDL4U(I.S) internally shorted double level terminals are useful for distribution applications by using shorting links at lower levels.



CDL4U



CDL4U(I.S)



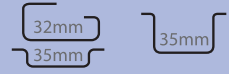
Terminal Width	6 mm
Height x Length	54 x 55.5 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Type of Connection	4 screw clamps & 2 tapped holes for cross connection
Approvals	  
Wire Range	22-10 AWG 0.5-4 sq.mm 22-10 AWG
Voltage Rating	300V 400 V 600 V
Current Rating	35 A 32 A 35 A
Torque	7 lb-in 0.5 Nm 7 lb-in
Other Approvals	   

Terminal Width	6 mm
Height x Length	54 x 55.5 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Type of Connection	4 screw clamps & 2 tapped holes for cross connection
Approvals	  
Wire Range	22-10 AWG 0.5-4 sq.mm 22-10 AWG
Voltage Rating	300V 400 V 600 V
Current Rating	35 A 32 A 35 A
Torque	7 lb-in 0.5 Nm 7 lb-in
Other Approvals	   

Terminal Width	6 mm
Height x Length	54 x 55.5 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Type of Connection	4 screw clamps & 1 tapped hole for cross connection
Approvals	  
Wire Range	22-10 AWG 0.5-4 sq.mm 22-10 AWG
Voltage Rating	300 V 400 V 600 V
Current Rating	35 A 32 A 35 A
Torque	7 lb-in 0.5 Nm 7 lb-in
Other Approvals	

Terminal Block

End Plate	
Separator Plate	
DIN Rail	for ordering information refer to page 70
End Stop	for ordering information refer to page 72 

Cat. No.	Std. Pk.
CDL4U	100
EPCDL4U	50
SPCDL4U	100
	
CA702	50
CA802	50

Cat. No.	Std. Pk.
CDL4U(I.S)	100
EPCDL4U	50
SPCDL4U	100
	
CA702	50
CA802	50

Internal Jumper	 2 pole 3 pole 4 pole 10 pole
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CA727/2	100
CA727/3	50
CA727/4	50
CA727/10	10

CA727/2	100
CA727/3	50
CA727/4	50
CA727/10	10

Insulated Internal Jumper	 2 pole 3 pole 4 pole 10 pole
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CA747/2	100
CA747/3	50
CA747/4	50
CA747/10	10

CA747/2	100
CA747/3	50
CA747/4	50
CA747/10	10

Current Bars	 2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole
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CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

Shorting Sleeve & Screw	
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CA607/S/Q	100
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CA607/S/Q	100
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External Jumper	 2 pole 3 pole 4 pole 10 pole
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CA714/2	100
CA714/3	100
CA714/4	50
CA714/10	25

CA714/2	100
CA714/3	100
CA714/4	50
CA714/10	25

Marking Tags	
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MT2	100
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MT2	100
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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

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.

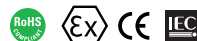
This offset provides better accessibility to the screws on the lower level.

*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			
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	600 V	630 V	600 V
Current Rating	35 A	32 A	35 A
Torque	7 lb-in	0.5 Nm	7 lb-in

Other Approvals



Cat. No.	Std. Pk.
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Terminal Block

ODL4U 50

End Plate	Front Back
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EP0DL4U 50
EP10DL4U 50

DIN Rail
for ordering information
refer to page 70



End Stop
for ordering information
refer to page 72



CA702 50
CA802 50

Internal Jumper	2 pole 3 pole 4 pole 10 pole
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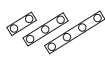
CA727/2 10
CA727/3 10
CA727/4 10
CA727/10 10

Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole
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CA747/2 100
CA747/3 50
CA747/4 50
CA747/10 10

Current Bars	2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole
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CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

Shorting Sleeve & Screw	
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CA607/S/Q 100

External Jumper	2 pole 3 pole 4 pole 10 pole
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CA714/2 100
CA714/3 100
CA714/4 50
CA714/10 25

Marking Tags	
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MT6 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

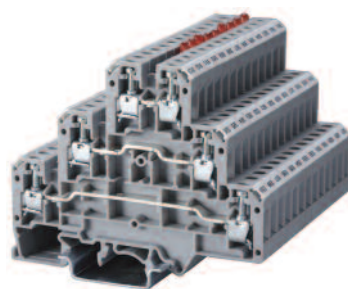
Feed-Through Triple Level

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

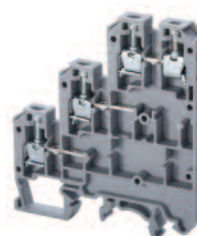
They can also be used in control systems where sensors and actuator applications are involved.

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.

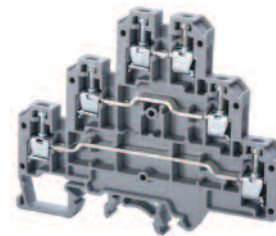
In applications where switching indication is required, choice of CTL2.5UHL and CTL2.5UL terminal blocks with built-in electronic components are available.



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 connect.

6 Screw clamps & 3 tapped holes for cross connect.

LED Voltage

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

22-12 AWG	0.5-2.5 sq.mm	22-12 AWG
300 V	500 V	300 V
25 A	24 A	25 A
4.5 lb-in	0.4 Nm	4.5 lb-in

22-12 AWG	0.5-2.5 sq.mm	22-12 AWG
300 V	500 V	300 V
25 A	24 A	25 A
4.5 lb-in	0.4 Nm	4.5 lb-in

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Cat. No.	Std. Pk.
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Cat. No.	Std. Pk.
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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 70



End Stop
for ordering information
refer to page 72



CA202	50
CA702	50
CA802	50

CA202	50
CA702	50
CA802	50

Internal
Jumper



2 pole
3 pole
4 pole
10 pole
100 pole

CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA722/100	5

CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA722/100	5

Current
Bars



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

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

Shorting Sleeve & Screw



CA707/S/Q/01

100

CA707/S/Q/01

100

External
Jumper



2 pole
3 pole
4 pole
10 pole

CA715/2	100
CA715/3	100
CA715/4	100
CA715/10	50

CA715/2	100
CA715/3	100
CA715/4	100
CA715/10	50

Marking Tags



MT2

100

MT2

100

COLOR BLOCKS

(other than grey standard)

When ordering please add
color suffix to Cat. No.

Example: CTS2.5U-N/R

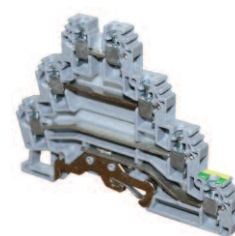
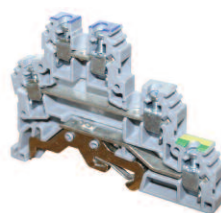
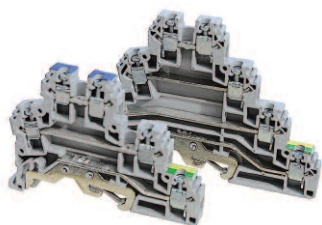
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

Double & Triple with Ground Terminal Blocks

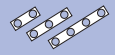
The CDLG2.5 is a double level and the CTLG2.5 is a triple level terminal block with an additional connection point for earthing (Grounding) cables.

This separate connection point is appropriately identified by the green-yellow imprint on its top.

The triple level terminal block is an ideal choice for motor, sensor, actuator and initiator connections.



	CDLG2.5	CTLG2.5
Terminal Width	6 mm	6 mm
Height x Length	50 x 71 mm	62 x 87.5 mm
Stripping Length	9 mm	9 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection	5 Screw clamps & 2 tapped holes for cross connect.	7 Screw clamps & 1 tapped holes for cross connect.
LED Voltage		
Approvals		
Wire Range	24-12 AWG	24-12 AWG
Voltage Rating	300 V	300 V
Current Rating	24 A	24 A
Torque	7 lb-in	7 lb-in
Other Approvals	 	 

		Cat. No.	Std. Pk.		Cat. No.	Std. Pk.
Terminal Block		CDLG2.5	50		CTLG2.5	50
End Plate 		EPCDLG2.5	50		EPCTLG2.5	50
DIN Rail for ordering information refer to page 70		 			 	
End Stop for ordering information refer to page 72 		CA202 CA702 CA802	50 50 50		CA202 CA702 CA802	50 50 50
Internal Jumper 	2 pole 3 pole 4 pole 10 pole	CA627/2 CA627/3 CA627/4 CA627/10	100 50 50 10		CA627/2 CA627/3 CA627/4 CA627/10	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 		CA611/S/Q	100		CA611/S/Q	100
External Jumper 	2 pole 3 pole 4 pole 10 pole	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 		MT2	100		MT2	100

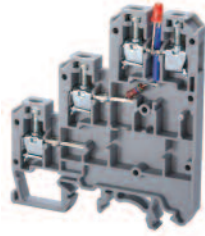
COLOR BLOCKS

(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

CTL2.5U-H(L)*


6 mm

67 x 61 mm

9 mm

Polyamide 6.6

4 Screw clamps & 2 tapped holes for cross connect.

12V, 24V, 48V, 110V DC

		
C SP US		C SP US
22-12 AWG	0.5-2.5 sq.mm	22-12 AWG
300 V	500 V	300 V
25 A	24 A	25 A
4.5 lb-in	0.4 Nm	4.5 lb-in


Cat. No. **Std. Pk.**
CTL2.5U-H(L)* 50

EPCTL2.5U-H 50


CA202	50
CA702	50
CA802	50

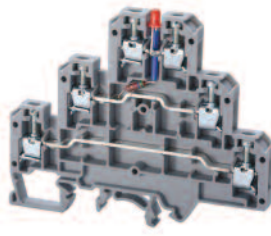
CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA722/100	5

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA707/S/Q/01 100

CA715/2	100
CA715/3	100
CA715/4	100
CA715/10	50

MT2 100

CTL2.5U(L)*


6 mm

67 x 84 mm

9 mm

Polyamide 6.6

6 Screw clamps & 2 tapped holes for cross connect.

12V, 24V, 48V, 110V DC

		
C SP US		C SP US
22-12 AWG	0.5-2.5 sq.mm	22-12 AWG
300 V	500 V	300 V
25 A	24 A	25 A
4.5 lb-in	0.4 Nm	4.5 lb-in


Cat. No. **Std. Pk.**
CTL2.5U(L)* 50

EPCTL2.5U 50


CA202	50
CA702	50
CA802	50

CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA722/100	5

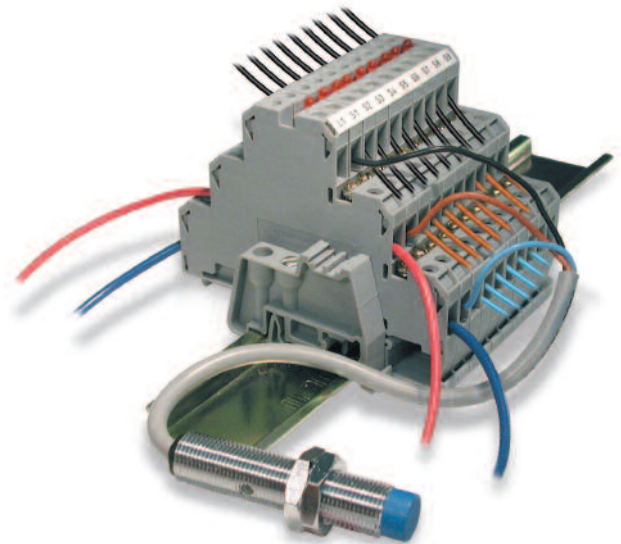
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA707/S/Q/01 100

CA715/2	100
CA715/3	100
CA715/4	100
CA715/10	50

MT2 100

Feed-Through Triple Level



*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

Ground Blocks

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.

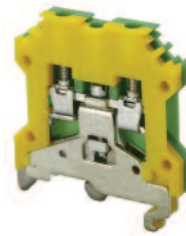
CGT4U, CGT10U and CGT35U can be mounted on both DIN 32mm and DIN 35mm rails.

CGT4N, CGT6N and CGT16N 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 and CTS16U).

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



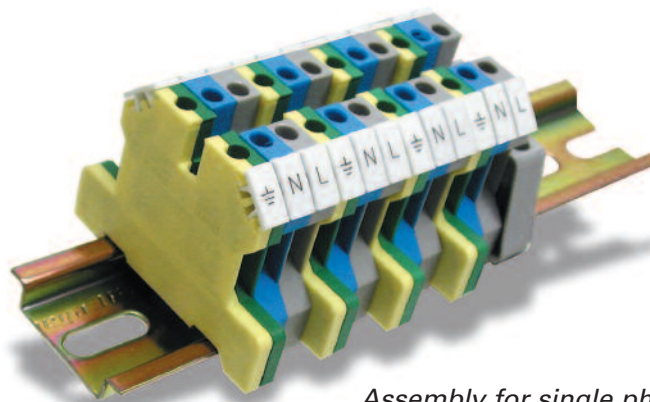
CGT4U



CGT4N



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	  		  	
Wire Range	22-10 AWG 0.5-4 sq.mm		22-10 AWG 0.5-4 sq.mm	
Torque	7 lb-in 0.5 Nm		7 lb-in 0.8 Nm	
Other Approvals	    		   	
	Cat. No.		Std. Pk.	
Terminal Block	CGT4U		50	
DIN Rail for ordering information refer to page 70				
End Plate	EPCGT4U		100	
Marking Tags (MT Type)	MT6		100	



Assembly for single phase
3 wire circuits.

CGT6N			CGT10U			CGT10N			CGT16N			CGT35U									
																					
8 mm			10 mm			10 mm			12 mm			16 mm									
47 x 54.5 mm			50 x 45 mm			50 x 45 mm			47 x 43 mm			61.5 x 58 mm									
12 mm			12 mm			12 mm			16 mm			18 mm									
Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6			Polyamide 6.6									
2 screw clamps			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	22-6 AWG	1.5-10 sq.mm	16-8 AWG	20-4 AWG	2.5-16 sq.mm	20-4 AWG	8-2 AWG	10-35 sq.mm	8.2 AWG							
14 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	14 lb-in	1.2 Nm	14 lb-in	25 lb-in	2.5 Nm	25 lb-in							
							AEx ell Ex ell					AEx ell Ex ell									
Cat. No.	Std. Pk.			Cat. No.	Std. Pk.			Cat. No.	Std. Pk.			Cat. No.	Std. Pk.			Cat. No.	Std. Pk.			Cat. No.	Std. Pk.
CGT6N	50			CGT10U	50			CGT10N	50			CGT16N	50			CGT35N	20				
																					
MT8	100			MT10	100			MT10	100			MT10	100			MT15	100				

① UL recognition in progress.

Fuse Blocks, 5 x 20 and 5 x 25 mm

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.

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.

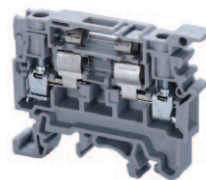
Important:

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 pages 23-24.



CSFL4U



† Fuse not included.

CSFL4U(L)*



† 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

LED Voltage

24V AC/DC, 48V AC/DC,
110V AC/DC, 220V AC, 300V AC

Type of Fuse Used

Ø5x20, Ø5x25 mm

Ø5x20, Ø5x25 mm

Approvals



Wire Range

22-10 AWG

22-10 AWG

22-10 AWG

22-10 AWG

Voltage Rating

600 V

600 V

600 V

600 V

Current Rating

6.3 A

10 A

6.3 A

10 A

Torque

7 lb-in

7 lb-in

7 lb-in

7 lb-in

Other Approvals



Terminal Block

End Plate



Isolation Partition



DIN Rail

for ordering information
refer to page 70

End Stop

for ordering information
refer to page 72



Internal
Jumper

2 pole
3 pole
4 pole
10 pole



Insulated
Internal
Jumper

2 pole
3 pole
4 pole
10 pole



Current
Bar

2 pole
3 pole
4 pole
10 pole



Shorting Sleeve & Screw



External
Jumper

2 pole
3 pole
4 pole
10 pole



Marking Tags

(MTType)

(MTType on Lever)



MT8

100

MT2

100

MT8

100

MT2

100

COLOR BLOCKS

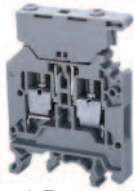
(other than grey standard)

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

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

CSFL6U


† Fuse not included.

8 mm

60 x 43 mm

9.5 mm

Polyamide 6.6

2 screw clamps

Ø5x20, Ø5x25 mm

		
22-8 AWG	1.5-6 sq.mm	22-8 AWG
300 V	500 V	300 V
10 A	6.3 A	10 A
14 lb-in	0.8 Nm	14 lb-in



Cat. No.	Std. Pk.
CSFL6U	50
EPCSFL6U	50

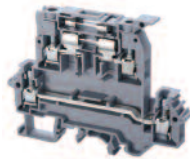


CA702	50
CA802	50

CA710/2	100
CA710/3	100
CA710/4	100
CA710/10	25

CA703/6	100
CA704/6	100
CA705/6	100
CA737/10	100

MT8	100
MT6	100

DDFL4U


† Fuse not included.

8 mm

66 x 88 mm

9.5 mm

Polyamide 6.6

4 screw clamps

Ø5x20, Ø5x25 mm

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	500 V	600 V
6.3 A	6.3 A	6.3 A
35 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
DDFL4U	20
EPDDFL4U	20



CA702	50
CA802	50

CA729/2	100
CA729/3	50
CA729/4	50
CA729/10	10

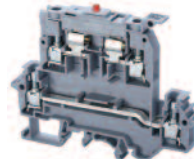
CA749/2	100
CA749/3	50
CA749/4	50
CA749/10	10

CA703/6	100
CA704/6	100
CA705/6	100
CA737/10	100

CA707/S/Q/3	100
-------------	-----

CA711/2	100
CA711/3	100
CA711/4	50
CA711/10	25

MT8	100
MT2	100

DDFL4U(E)*


† Fuse not included.

8 mm

66 x 88 mm

9.5 mm

Polyamide 6.6

4 screw clamps

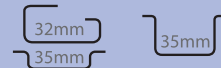
24V AC/DC, 48V AC/DC,
110V AC/DC, 220V AC

Ø5x20, Ø5x25 mm

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	500 V	600 V
6.3 A	6.3 A	6.3 A
35 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
DDFL4U(E)*	20
EPDDFL4U	20



CA702	50
CA802	50

CA729/2	100
CA729/3	50
CA729/4	50
CA729/10	10

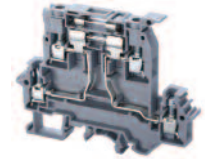
CA749/2	100
CA749/3	50
CA749/4	50
CA749/10	10

CA703/6	100
CA704/6	100
CA705/6	100
CA737/10	100

CA707/S/Q/3	100
-------------	-----

CA711/2	100
CA711/3	100
CA711/4	50
CA711/10	25

MT8	100
MT2	100

DDFL4ULR


† Fuse not included.

8 mm

66 x 88 mm

9.5 mm

Polyamide 6.6

4 screw clamps

Ø5x20, Ø5x25 mm

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	500 V	600 V
6.3 A	6.3 A	6.3 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
DDFL4ULR	20
EPDDFL4U	20



CA702	50
CA802	50
CA202	50

CA730/2	100
CA730/3	50
CA730/4	50
CA730/10	10

CA740/2	100
CA740/3	50
CA740/4	50
CA740/10	10

CA703/7	100
CA704/7	100
CA705/7	100
CA738/10	100

CA707/S/Q/8	100
-------------	-----

CA711/2	100
CA711/3	100
CA711/4	50
CA711/10	25

MT8	100
MT2	100

Fuse Blocks, 5 x 20 and 5 x 25 mm

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.

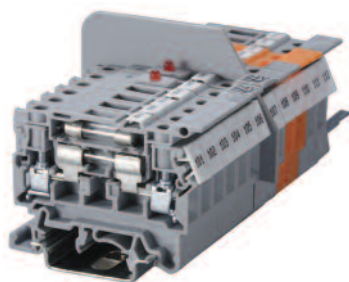
CAFL4U(L) is equipped with a LED for blown fuse indication. CAFL4U(N) is equipped with a neon bulb for same application.

Important:

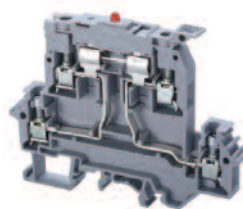
The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link/lever.

† Fuses are sold separately Altech, see pages 23-24.

* Add required voltage to part number as suffix, i.e.
DDFL4U(E)/24 for 24V AC/DC



DDFL4U(E)LR*



† Fuse not included.

Terminal Width

8 mm

Height x Length

66 x 88 mm

Stripping Length

9.5 mm

Insulation Material

Polyamide 6.6

Type of Connection

4 screw clamps

LED Voltage

24V AC/DC, 48V AC/DC,
110V AC/DC, 220V AC

Type of Fuse Used

Ø5x20, Ø5x25 mm

Approvals



Wire Range

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

Voltage Rating

600 V 500 V 600 V

Current Rating Top Level
Bottom Level

6.3 A 6.3 A 6.3 A

Torque

7 lb-in 0.5 Nm 7 lb-in

Other Approvals



Cat. No. Std. Pk.

DDFL4U(E)LR* 20

EPDDFL4U 20



Terminal Block

End Plate



DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72



Internal Jumper 2 pole 3 pole 4 pole 10 pole



Insulated Internal Jumper 2 pole 3 pole 4 pole 10 pole



Current Bar 2 pole 3 pole 4 pole 10 pole



Shorting Sleeve & Screw



External Jumper 2 pole 3 pole 4 pole 10 pole



Marking Tags (MT Type) (MT Type on Lever)



CA702 50
CA802 50
CA202 50

CA730/2 100
CA730/3 50
CA730/4 50
CA730/10 10

CA740/2 100
CA740/3 50
CA740/4 50
CA740/10 10

CA703/7 100
CA704/7 100
CA705/7 100
CA738/10 100

CA707/S/Q/8 100

CA711/2 100
CA711/3 100
CA711/4 50
CA711/10 25

MT8 100
MT2 100

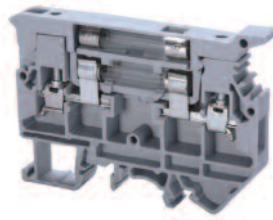
COLOR BLOCKS

(other than grey standard)

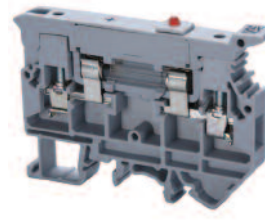
When ordering please add
color suffix to Cat. No.

Example: CTS2.5U-N/R

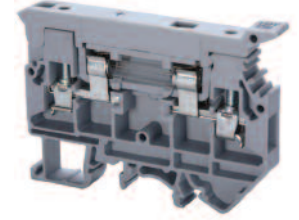
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

CAFL4U


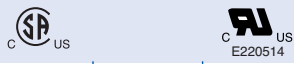
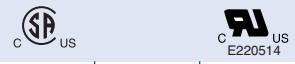
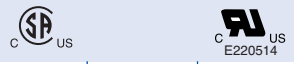
† Fuse not included.

CAFL4U(L)*


† Fuse not included.

CAFL4U(N)


† Fuse not included.

Terminal Width	9 mm			9 mm			9 mm		
Height x Length	50 x 72 mm			50 x 72 mm			50 x 72 mm		
Stripping Length	9.5 mm			9.5 mm			9.5 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps			2 screw clamps			2 screw clamps		
LED Voltage				24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC, 300V AC			110-220V AC/DC, 300V AC		
Type of Fuse Used	Ø1/4x1 in., Ø1/4x1 1/4 in.			Ø1/4x1 in., Ø1/4x1 1/4 in.			Ø1/4x1 in., Ø1/4x1 1/4 in.		
Approvals									
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	500 V	600 V	600 V	500 V	600 V	600 V	500 V	600 V
Current Rating	16 A	6.3 A	16 A	16 A	6.3 A	16 A	16 A	6.3 A	16 A
	Top Level			Top Level			Top Level		
	Bottom Level			Bottom Level			Bottom Level		
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

Other Approvals


Terminal Block

End Plate


DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72

Internal Jumper
2 pole
3 pole
4 pole
10 pole

Insulated Internal Jumper
2 pole
3 pole
4 pole
10 pole

Current Bar
2 pole
3 pole
4 pole
10 pole


Shorting Sleeve & Screw


External Jumper
2 pole
3 pole
4 pole
10 pole

Marking Tags (MTType)
(MTType on Lever)


Cat. No. Std. Pk.

CAFL4U 25

EPCAFL4U 50

32mm 35mm

CA702 50
CA802 50

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

Shorting Sleeve & Screw

CA716/2 50
CA716/3 50
CA716/4 50
CA716/10 25

MT9 100

Cat. No. Std. Pk.

CAFL4U(L)* 25

EPCAFL4U 50

32mm 35mm

CA702 50
CA802 50

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

Shorting Sleeve & Screw

CA716/2 100
CA716/3 50
CA716/4 50
CA716/10 20

MT9 100

Cat. No. Std. Pk.

CAFL4U(N) 25

EPCAFL4U 50

32mm 35mm

CA702 50
CA802 50

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

2 pole
3 pole
4 pole
10 pole

Shorting Sleeve & Screw

CA716/2 100
CA716/3 50
CA716/4 50
CA716/10 20

MT9 100

Fuse Blocks, 10 x 38 mm

The main characteristics of fuse disconnectors are:

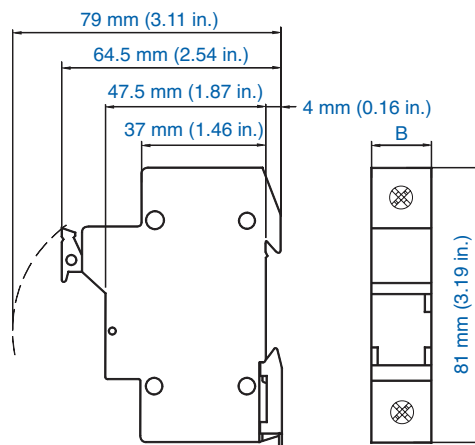
- Compliance with IEC 60947-1, IEC 60947-3
- UL508 recognized
- Plastic parts are made of material resistant to high temperatures
- All contact surfaces are silver plated
- Mounting on standard DIN 35 mm rail (DIN EN60715).
- Available up to 4 pole
- For all sizes a version with electronic indicator 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 pages 23-24.

	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	 			 			 		
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			None			None		
	LED			LED			LED		
	Neon			Neon			Neon		
DIN Rail for ordering information refer to page 70	 			 			 		
End Stop for ordering information refer to page 72	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

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.

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 

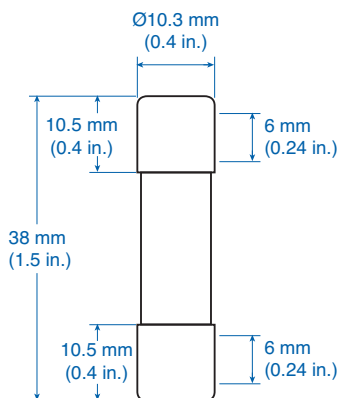
gR - Semiconductor Protection

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 European Fuse catalog for more information.



gL/gG - Line Protection

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



10x38

Rated Current/ Rated Voltage	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 Voltage	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 I ² -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



Certified for 700V



10x38

In (A)	Cat. No.	Operating I ² -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"

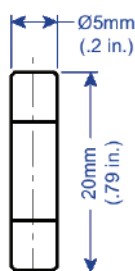
Medium, Typical Marking: "M"

Fast, Typical Marking: "F"

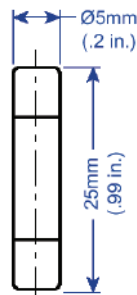
5 X 20



upon request



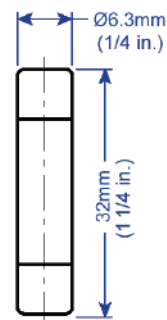
5 X 25



6.3 X 32 (1/4" X 1-1/4")



upon request



Current	Voltage 250V AC/DC DIN 41662 IEC-127-2/III			Voltage 250V AC/DC DIN 41571-2		Voltage 250V AC/DC	
	DIN 41571-2			DIN 41661 IEC-127-2/II			
	Cat. No.			Cat. No.		Cat. No.	
	Slow	Medium	Fast	Medium	Slow	Fast	
20mA		0.02M5x20M		0.032M5x25M	0.032M6.3x32T		
32mA		0.032M5x20M		0.04M5x25M	0.04M6.3x32T		
40mA				0.05M5x25M	0.05M6.3x32T ⁴	0.05M6.3x32F	
50mA	0.05M5x20T ⁴	0.05M5x20M	0.05M5x20F ⁴	0.063M5x25M	0.063M6.3x32T ⁴	0.063M6.3x32F	
63mA		0.063M5x20M		0.08M5x25M	0.08M6.3x32T ⁴	0.08M6.3x32F	
80mA	0.08M5x20T ⁴	0.08M5x20M		0.1M5x25M	0.1M6.3x32T ⁴	0.1M6.3x32F	
100mA	0.1M5x20T ⁴	0.1M5x20M	0.1M5x20F ⁴	0.125M5x25M	0.125M6.3x32T ⁴	0.125M6.3x32F	
125mA	0.125M5x20T ⁴	0.125M5x20M	0.125M5x20F ⁴	0.16M5x25M	0.16M6.3x32T ⁴	0.16M6.3x32F	
160mA	0.16M5x20T ⁴	0.16M5x20M	0.16M5x20F ⁴	0.2M5x25M	0.2M6.3x32T ⁴	0.2M6.3x32F	
200mA	0.2M5x20T ⁴	0.2M5x20M	0.2M5x20F ⁴	0.25M5x25M	0.25M6.3x32T ⁴	0.25M6.3x32F	
250mA	0.25M5x20T ⁴	0.25M5x20M	0.25M5x20F ⁴	0.315M5x25M	0.315M6.3x32T ⁴	0.315M6.3x32F	
315mA	0.315M5x20T ⁴	0.315M5x20M	0.315M5x20F ⁴				
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.

Enclosures that and **Protect** **LOOK GOOD** too!

Altech's increasingly popular industrial enclosures keep you well covered with their high quality and attractive design.

*All at Very Competitive Prices!
And many available for immediate delivery.*

Customization available!

Rustproof

- Polycarbonate/Polystyrene enclosures will last indefinitely without corrosion

Visibility

- Components and devices are fully visible through transparent covers, while completely protected and insulated

Impact Resistant

- Non-metallic enclosures withstand bumps and blows, they will not dent

Maintenance Free

- Surface finish does not deteriorate and requires no special painting or refinishing

Chemical resistant

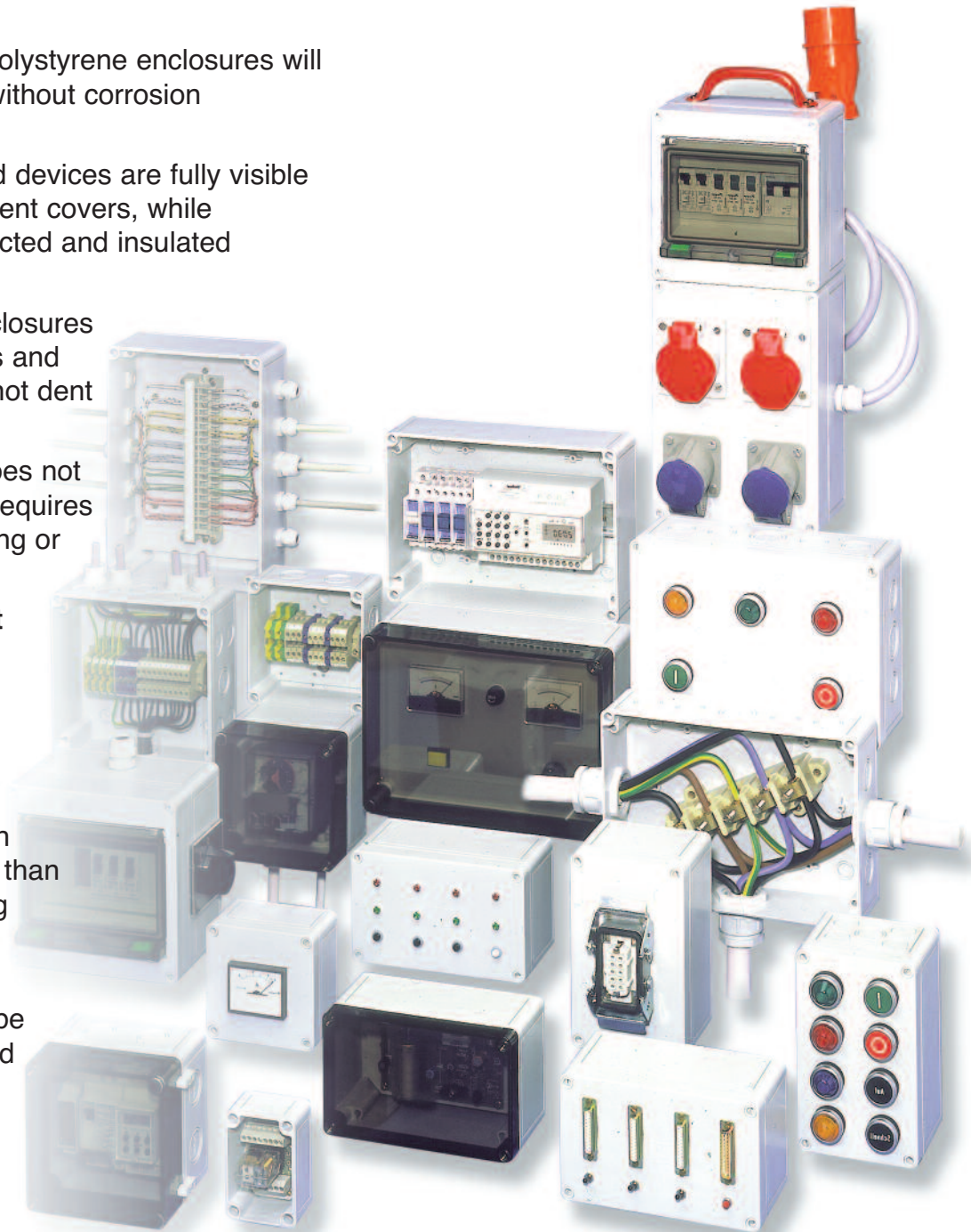
- Resist weak and strong acids and alkali

Lightweight

- Non-metallic enclosures weigh significantly less than metal, simplifying handling

Flexibility

- Enclosures can be easily customized



Illustrated are just a few of the applications for our enclosures.

Disconnect

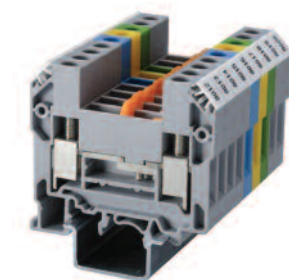
Disconnect and test terminals are an ideal choice for measuring control and regulatory circuits. The terminals provide a clear functional advantage for devices having utility instruments and associated transformers.

Five versions of disconnect and test terminals are available:

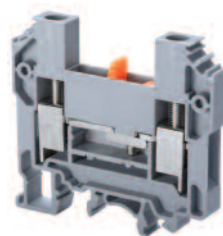
- CDTTU - disconnection is achieved by means of a slide link operated with a screw driver.
- CDTTU-SH - disconnect and test terminals are ideal for use in current transformer applications when it is mandatory to keep the secondary side shorted at any point while taking current measurements.
- CKT4U - disconnection is achieved by lifting the knife contact lever.
- CSDL4U - hinged disconnection 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.

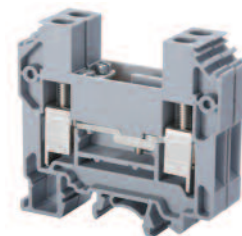
Important: The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link/lever.



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						
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	800 V	600 V	300 V	300 V	300 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	1.2 Nm	14 lb-in

Other Approvals



Terminal Block

End Plate

Isolation Partition

DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72

Internal Jumper
2 pole
3 pole
4 pole
10 pole

Insulated Internal Jumper
2 pole
3 pole
4 pole
10 pole

Current Bar
2 pole
3 pole
4 pole
10 pole

Shorting Sleeve & Screw

External Jumper

2 pole
3 pole
4 pole
10 pole

Marking Tags (MT Type)
(MT Type on Lever)

Cat. No. Std. Pk.

CDTTU 50

EPCDTTU 50

32mm 35mm
35mm 35mm

CA702 50
CA802 50

CA710/2 100
CA710/3 100
CA710/4 100
CA710/10 25

MT8 100

Cat. No. Std. Pk.

CDTTU-SH 50

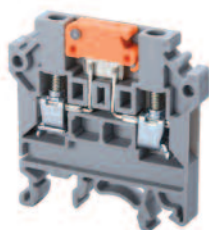
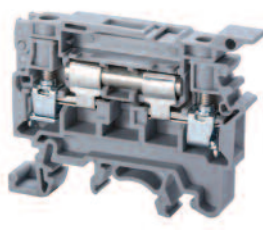
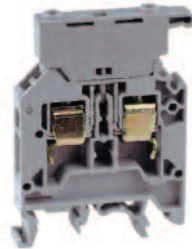
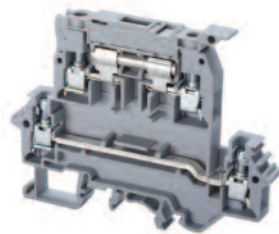
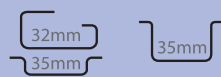
EPCDTTU 50

32mm 35mm
35mm 35mm

CA702 50
CA802 50

CA710/2 100
CA710/3 100
CA710/4 100
CA710/10 25

MT8 100

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		
											
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	800 V	600 V	600 V	500 V	600 V	300 V	500 V	300 V	300 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	0.8 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		EPDDL4U	20	
			PPCSFL4U	50							
											
CA702	50		CA702	50		CA702	50		CA702	50	
CA802	50		CA802	50		CA802	50		CA802	50	
									CA729/2	100	
									CA729/3	50	
									CA729/4	50	
									CA729/10	10	
									CA749/2	100	
									CA749/3	50	
									CA749/4	50	
									CA749/10	10	
									CA703/6	100	
									CA704/6	100	
									CA705/6	100	
									CA737/10	100	
									CA707/S/Q/3	100	
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	

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:

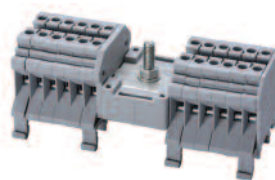
Sum of outgoing currents on either side of center should not exceed half the maximum permissible incoming current.

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

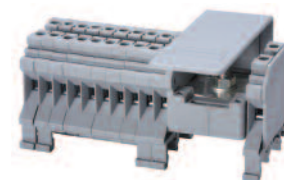
Connection for higher outgoing currents should be done through the terminal nearest to the incoming connection.



CDB4/x



CDB4/x(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	1 Lug/ M5 bolt connection for ring lug Screw clamp connection			1 Lug M5 /bolt connection for ring lug Screw clamp connection		
Approvals	  			  		
Wire Range	Input: 10-8 AWG Output: 22-12 AWG			Input: 10-8 AWG Output: 22-12 AWG		
Voltage Rating	600 V			600 V		
Current Rating	Input: 50 A Max. Individual Output: 25 A			Input: 50 A Max. Individual Output: 25 A		
Torque	Input: 26 lb-in Output: 7 lb-in			Input: 26 lb-in Output: 7 lb-in		

Other Approvals



Terminal Block

Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.
CDB4/1	45 x 43 x 43.8	4	10	CDB4/2(1)	45 x 43 x 52	4	10
CDB4/2	45 x 43 x 55.8	8	10	CDB4/3(1)	45 x 43 x 58	6	10
CDB4/3	45 x 43 x 67.8	12	10	CDB4/4(1)	45 x 43 x 64	8	5
CDB4/4	45 x 43 x 80	16	5	CDB4/5(1)	45 x 43 x 70	10	5
CDB4/5	45 x 43 x 96	20	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

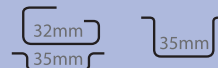
Cat. No.

Std. Pk.

Cat. No.

Std. Pk.

DIN Rail
for ordering information
refer to page 70



End Stop
for ordering information
refer to page 72



CA702
CA802

50
50

CA702
CA802

50
50

Marking Tags (MTType)



MT6

100

MT6

100

Warning Label

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/x


8 mm

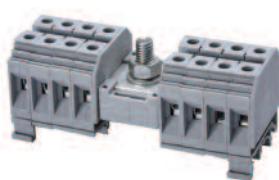
43 x 47 mm

12 mm

Polyamide 6.6

1 Lug/ M6 bolt connection for ring lug
Screw clamp connection

		
10-2 AWG 22-8 AWG	6-25 sq.mm 1.5-6 sq.mm	10-2 AWG 22-8 AWG
600 V	800 V	600 V
100 A 50 A	41 A	100 A 50 A
25 lb-in 9 lb-in	3.0 Nm 0.8 Nm	35 lb-in 14 lb-in


CDB10/x


10 mm

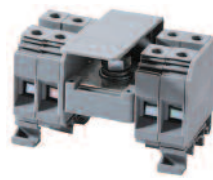
43 x 47 mm

12 mm

Polyamide 6.6

1 Lug/ M8 bolt connection for ring lug
Screw clamp connection

		
8-1/0 AWG 22-6 AWG	10-35 sq.mm 1.5-10 sq.mm	8-1/0 AWG 22-6 AWG
600 V	800 V	600 V
125 A 65 A	57 A	130 A 65 A
53 lb-in 14 lb-in	6.0 Nm 1.2 Nm	53 lb-in 14 lb-in


CDB25/x


12 mm

56 x 49 mm

18 mm

Polyamide 6.6

1 Lug/ M8 bolt connection for ring lug
Screw clamp connection

		
6-2/0 AWG 12-2 AWG	10-50 sq.mm 6-25 sq.mm	6-2/0 AWG 12-2 AWG
600 V	800 V	600 V
150 A 75 A	101 A	150 A 75 A
53 lb-in 14 lb-in	6.0 Nm 2 Nm	53 lb-in 14 lb-in



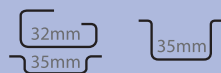
Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.
CDB6/2	43 x 47 x 64	8	10	CDB10/2	43 x 47 x 72	8	10	CDB25/2	56 x 49 x 88	8	10
CDB6/3	43 x 47 x 80	12	10	CDB10/3	43 x 47 x 92	12	10	CDB25/3	56 x 49 x 112	12	10
CDB6/4	43 x 47 x 96	16	5	CDB10/4	43 x 47 x 112	16	5	CDB25/4	56 x 49 x 136	16	5

Cat. No. **Std. Pk.**

CA702 50
CA802 50

Cat. No. **Std. Pk.**

CA702 50
CA802 50

Cat. No. **Std. Pk.**

CA702 50
CA802 50

MT8 **100**
MT10 **100**
MT12 **100**
SWL6 **100**

Distribution Block

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

CMDB4/X



CMDB6/X



CMDB10/X



Terminal Width	6 mm			8 mm			10 mm		
Height & Width	45 x 43 mm			43 x 47 mm			43 x 47 mm		
Stripping Length	9 mm			12 mm			12 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	Screw clamp connection			Screw clamp connection			Screw clamp connection		
Approvals									
Wire Range	Input 22-10 AWG	Output 0.5-4 sq.mm	22-10 AWG	Input 22-8 AWG	Output 1.5-6 sq.mm	22-8 AWG	Input 22-6 AWG	Output 1.5-10 sq.mm	20-6 AWG
Voltage Rating	600 V	800 V	600 V	600 V	800 V	600 V	600 V	800 V	600 V
Current Rating	Input 30 A	Max. Individual Output 32 A	35 A	Input 50 A	Max. Individual Output 41 A	50 A	Input 65 A	Max. Individual Output 57 A	65 A
Torque	Input 7 lb-in	Output 0.5 Nm	7 lb-in	Input 9 lb-in	Output 0.8 Nm	14 lb-in	Input 14 lb-in	Output 1.2 Nm	14 lb-in

Other Approvals



Terminal Block

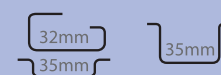
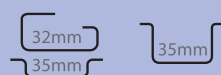
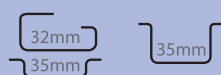
Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.
CMDB4/2	45 x 43 x 13.5	4	10	CMDB6/2	43 x 48 x 17.5	4	10	CMDB10/2	43 x 48 x 21.5	4	10
CMDB4/3	45 x 43 x 19.5	6	10	CMDB6/3	43 x 48 x 25.5	6	10	CMDB10/3	43 x 48 x 31.5	6	10
CMDB4/4	45 x 43 x 25.5	8	5	CMDB6/4	43 x 48 x 33.5	8	10	CMDB10/4	43 x 48 x 41.5	8	10
CMDB4/10	45 x 43 x 61.5	20	5	CMDB6/10	43 x 48 x 81.5	20	5	CMDB10/10	43 x 48 x 101.5	20	5

Cat. No. Std. Pk.

Cat. No. Std. Pk.

Cat. No. Std. Pk.

DIN Rail
for ordering information
refer to page 70



End Stop
for ordering information
refer to page 72



CA702 50
CA802 50

CA702 50
CA802 50

CA702 50
CA802 50

Marking Tags (MT Type)



MT6 100

MT8 100

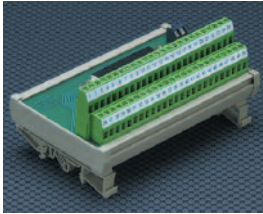
MT10 100

Warning Label

SWL6 100

COLOR BLOCKS (other than grey standard)		Color	Ordering Suffix
When ordering please add color suffix to Cat. No. Example: CTS2.5U-N/R		Red	R
		Blue	BU
		Black	BL
		Orange	O
		Green	G
		Yellow	Y
		White	W
		Beige	BG
		Dark Brown	DB

We have a full line of standard and custom Interface Modules and Power Supplies.



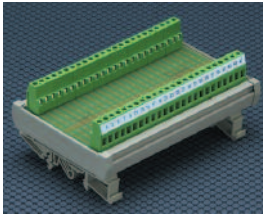
CONNECTOR TO TERMINAL BLOCK MODULES

Compact and reliable connections between high density connectors and high quality screw-cage clamp terminal blocks; DIN Rail mountable



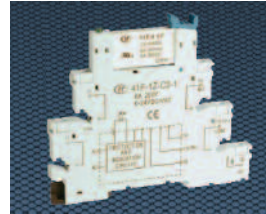
GENERAL PURPOSE/INTERFACE RELAYS

A selection of DIN Rail mountable general purpose relays available for up to 12 A @ 250 Volts.



DIODE MODULES & COMPONENT CARRIERS

Add additional components to build circuits and diode modules mounted on 35 or 32mm DIN Rails.



PLUGGABLE SLIMLINE RELAYS

Need Text



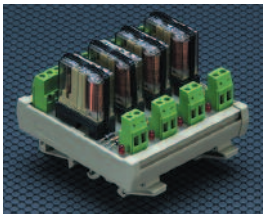
MONITORING PROTECTION MODULES

Special purpose components connected to screw-cage clamp terminal blocks; DIN Rail mountable.



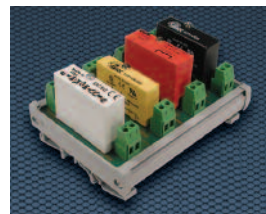
I/O MODULE CARRIERS

Accepts industry standard I/O modules. LED indicator and fuse protection included on carrier.



RELAY MODULES

Traditional relay modules from 1-16 channels. Available in several voltages (AC & DC), isolated or bussed systems. DIN Rail mounted.



SOLID STATE I/O MODULES

Input/Output Modules (both AC and DC) provided on a DIN mountable module. Bussed and isolated versions available.



SAFETY RELAY MODULES

Force-guided contact modules available in 1-16 channels, 12 and 24VDC coils and isolated or bussed systems. All mountable on 32 or 35mm DIN Rails.



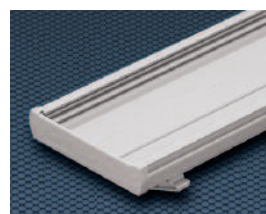
POWER SUPPLIES

Basic and High Performance Series. DIN Rail mountable units are available with 12 or 24VDC output, 15 to 60 Watts and regulated outputs.



CUSTOM MODULES

Altech provides quick turn-key custom designs and competitive solutions.



MOUNTING TRACKS

DIN Rail or panel mount mounting tracks secure standard or custom printed circuit boards in control panels or cabinets.

Contact Altech Today to learn more!

One Phase Power Distribution Block

- Quick 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 (applies **only** to 38041 and 38032)
- No caps to open / remove
- Material
 - Housing: Polyamide
 - Metal Body: Brass

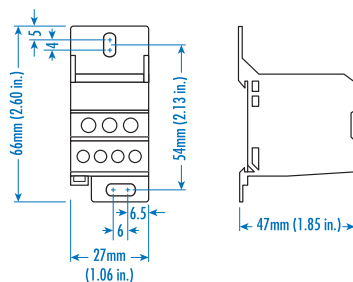


Part Number:	DB16*		38049		DB35*		38041	
Approvals								
Current Rating	80A	80A	80A	80A	115A	125A	115A	125A
Voltage Rating	600V AC	690V AC	600V AC	690V AC	600V AC	690V AC	600V AC	690V AC
SCCR	10kA		100kA		10kA		100kA	
No. of Inputs	1	1	1	1	1	1	1	1
Wire Range	8-4 AWG	6-16mm ²	8-4 AWG	6-16mm ²	8-2 AWG	10-35mm ²	8-2 AWG	10-35mm ²
Torque	13.5lb.-in.	1.5Nm	13.5lb.-in.	1.5Nm	31lb.-in.	3.5Nm	13.5lb.-in.	3.5Nm
Screw Type	Pozi Drive 2		Pozi Drive 2		Pozi Drive 2		Pozi Drive 2	
No. of Outputs	6	6	6	6	6	6	6	6
Wire Range	(2x)8-4 AWG	(2x)6-16mm ²	(2x)8-4 AWG	(2x)6-16mm ²	14-6 AWG	2.5-16mm ²	14-6 AWG	2.5-16mm ²
Torque	13.5lb.-in.	1.5Nm	13.5lb.-in.	1.5Nm	17.5lb.-in.	2Nm	17.5lb.-in.	2Nm
Wire Range	(4x)14-10 AWG	(4x)2.5-6mm ²	(4x)14-10 AWG	(4x)2.5-6mm ²				
Torque	7.2lb.-in.	0.8Nm	7.2lb.-in.	0.8Nm				
Screw Type	Pozi Drive 2		Pozi Drive 2		Pozi Drive 2		Pozi Drive 2	

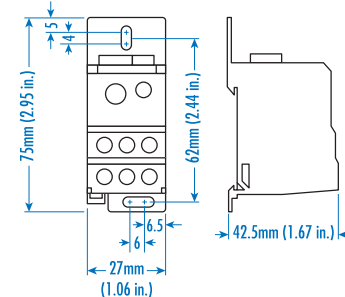
Optional Marking Tag
 ** (for DB16 and DB35)

Dimensions:

MT2**



MT2**



* Available in colors.

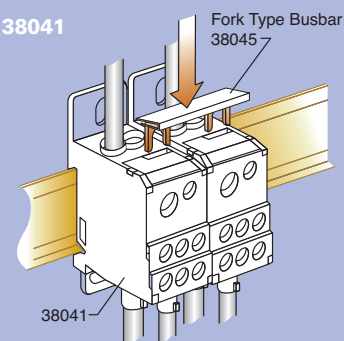
COLOR BLOCKS
 (other than grey standard)

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

38041



Accessories: Fork Type Busbar
 Part No: **38045** to jump 2 Blocks
38046 to jump 8 Blocks
 can be cut

38076


CE

38032

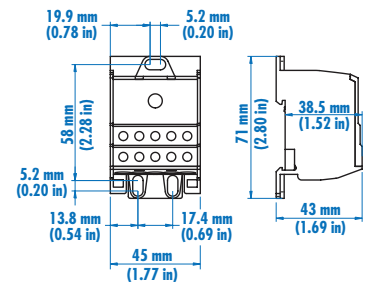
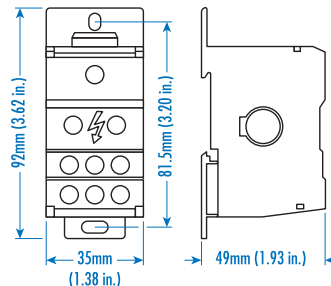
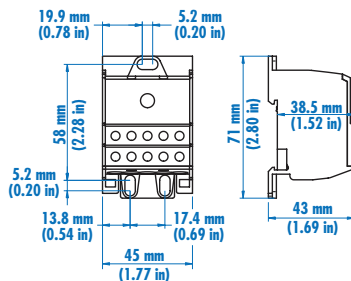
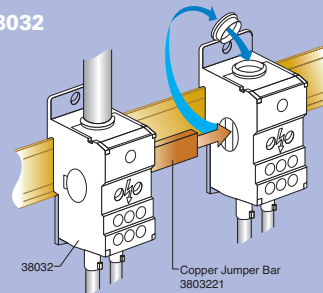

CE

38074


CE

Part Number:	38076		38032		38074		
Approvals	 UL File E98082		 UL File E98082	 C US		 UL File E98082	
Current Rating	115A	125A	160A	160A	175A	175A	
Voltage Rating	600V AC	690V AC	600V AC	690V AC	600V AC	690V AC	
SCCR	100kA		100kA		100kA		
No. of Inputs	1	1	1	1	1	1	
Wire Range	8-2 AWG	10-35mm ²	8-2/0AWG	10-70mm ²	6-2/0AWG	16-70mm ²	
Torque	53lb.-in.	6Nm	35.5lb.-in.	4Nm	53lb.-in.	6Nm	
Screw Type	Hex 4		Hex 5		Hex 5		
No. of Outputs	10	10	6	6	10	10	
Wire Range	14-4 AWG	2.5-16mm ²	14-6 AWG	2.5-16mm ²	14-4 AWG	2.5-16mm ²	
Torque	26.5lb.-in.	3Nm	17.5lb.-in.	2Nm	26.5lb.-in.	3Nm	
Screw Type	Hex 3		Hex 3		Hex 3		

Dimensions:


38032

 Accessories: Copper Jumper Bar
(6x15 mm)

 Part No: **3803221** for 2 Blocks
3803231 for 3 Blocks
3803241 for 4 Blocks
 can be cut

One Phase Power Distribution Block

- Quick 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.
- No caps to open or remove
- Material
 - Housing: Polyamide
 - Metal Body: Brass

38020

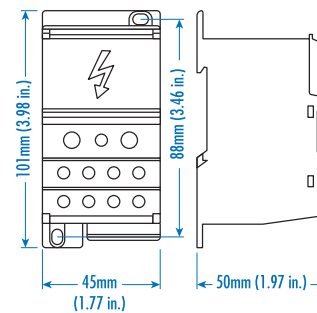
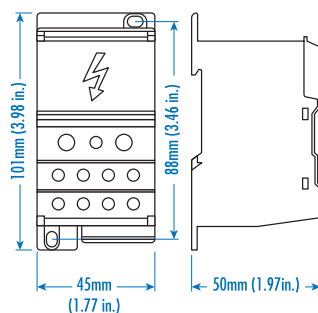


38019



Part Number:	38020		38019	
Approvals	  		  	
Current Rating	230A	250A	310A	400A
Voltage Rating	600V AC	690V AC	600V AC	690V AC
SCCR	100kA		100kA	
No. of Inputs	1	1	1	1
Wire Range	2-4/0AWG	35-120mm ²	3/0-350mcm	95-185mm ²
Torque	170lb.-in.	19Nm	230lb.-in.	25Nm
Screw Type	Hex 6		Hex 8	
No. of Outputs	11	11	11	11
Wire Range	(2x) 14-2AWG	(2x) 2.5-35mm ²	(2x) 14-2AWG	(2x) 2.5-35mm ²
Torque	31lb.-in.	3.5Nm	31lb.-in.	3.5Nm
Wire Range	(5x) 14-6AWG	(5x) 2.5-16mm ²	(5x) 14-6AWG	(5x) 2.5-16mm ²
Torque	17.5lb.-in.	2Nm	17.5lb.-in.	2Nm
Wire Range	(4x) 14-8AWG	(4x) 2.5-10mm ²	(4x) 14-8AWG	(4x) 2.5-10mm ²
Torque	17.5lb.-in.	2Nm	17.5lb.-in.	2Nm
Screw Type	standard screwdriver		standard screwdriver	

Dimensions:



- Quick 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
- No caps to open or remove
- Material
 - Housing: Polyamide
 - Metal Body: Brass

Three Phase Power Distribution Block

38075


3 Pole

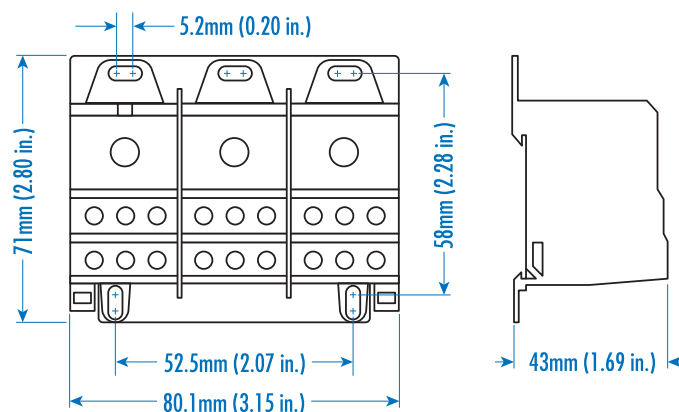

38073


3 Pole



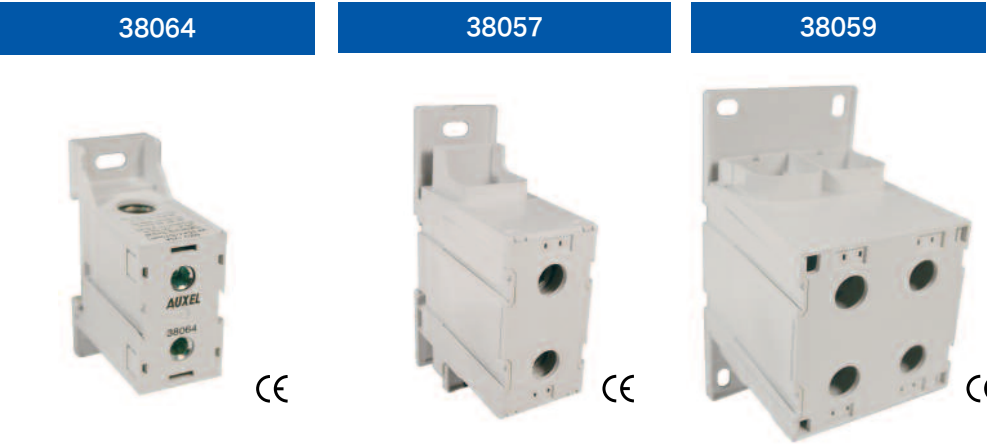
Part Number:	38075		38073	
Approvals	 UL File E98082		 UL File E98082	
Current Rating	115A	115A	175A	175A
Voltage Rating	600V AC	690V AC	600V AC	690V AC
SCCR	100kA		100kA	
No. of Inputs	3x1	3x1	3x1	3x1
Wire Range	8-2AWG	10-35mm ²	8-2/0AWG	10-70mm ²
Torque	31lb.-in.	3.5Nm	35.5lb.-in.	4Nm
Screw Type	Hex 4		Hex 5	
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
Screw Type	Hex 3		Hex 3	

Dimensions:



Splicer Blocks

- Quick mounting and wiring
- IP20 Finger Safe
- DIN Rail or Panel Mount
- No caps to open or remove
- Material
 - Housing: Polyamide
 - Metal Body: Aluminum



Part Number:

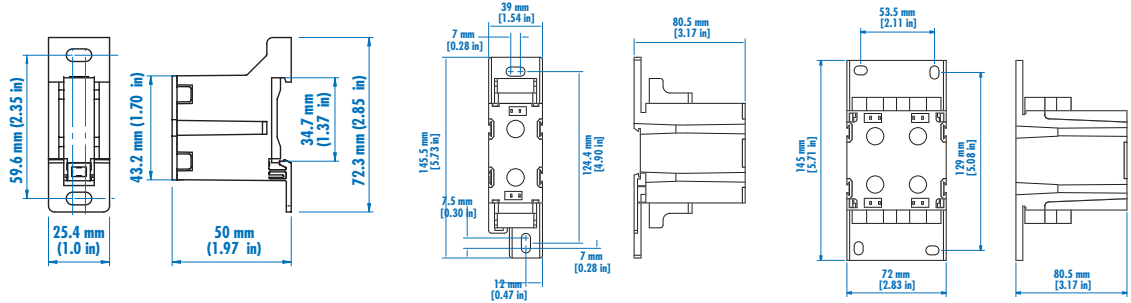
38064

38057

38059

Approvals	 		 		 	
Current Rating	175A	175A	400A	400A	800A	800A
Voltage Rating	600V AC	690V AC	600V AC	690V AC	600V AC	690V AC
No. of Inputs	1	1	1	1	2	2
Wire Range	14-1AWG	2.5mm ² -50mm ²	6AWG-400MCM	16mm ² -185mm ²	3AWG-600MCM	25-300mm ²
Torque	106.2lb.-in.	12Nm	221lb.-in.	25Nm	310lb.-in.	35Nm
Screw Type	Hex 5		Hex 10		Hex 10	
No. of Outputs	1	1	1	1	2	2
Wire Range	14-1AWG	2.5mm ² -50mm ²	6AWG-400MCM	16mm ² -185mm ²	3AWG-600MCM	25-300mm ²
Torque	106.2lb.-in.	12Nm	221lb.-in.	25Nm	310lb.-in.	35Nm
Screw Type	Hex 5		Hex 10		Hex 10	

Dimensions:



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

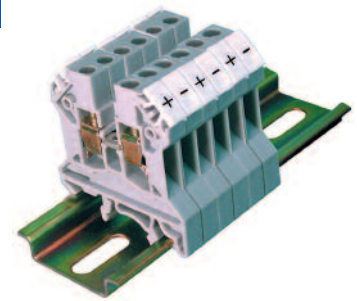
The current carrying part of the terminal blocks have the same material (according to DIN437134 and DIN43714) which is used for compensating cables in the temperature measurement circuit (up to 200°C).

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)



CTT2.5UK/J/T/E

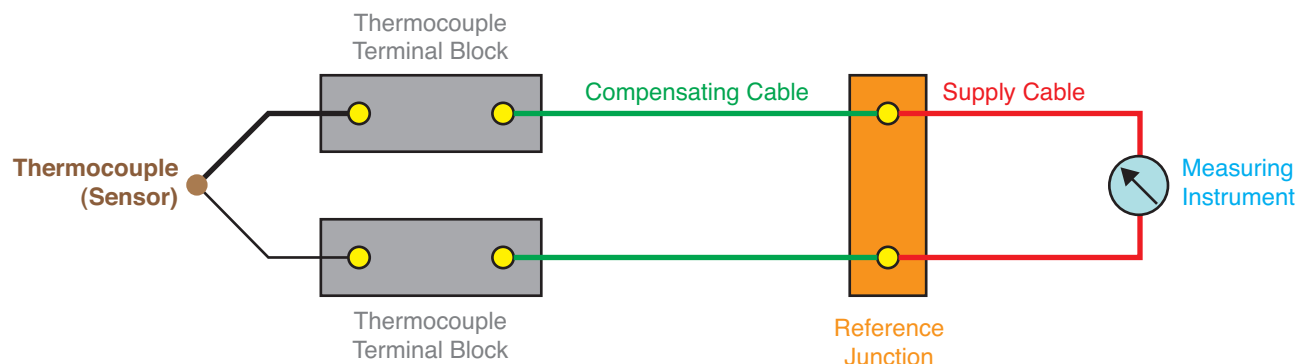


Terminal Width	10 mm
Height x Length	45 x 43 mm
Stripping Length	9 mm
Insulation Material	Polyamide 6.6
Current Carrying Material	*
Type of Connection	4 screw clamps
Wire Range	24-12 AWG
Voltage Rating	300 V
Current Rating	10 A
Torque	7 lb-in

Terminal Block

End Plate	
Isolation Plate	
DIN Rail for ordering information refer to page 63	
End Clamp	
Marking Tags (MT Type)	

Cat. No.	Std. Pk.
CTT2.5UK	50
CTT2.5UJ	50
CTT2.5UT	50
CTT2.5UE	50
EP2.5/4UN	50
PP2.5/4UN	50
CA802	100
CA702	100
CA509/K5	



Indicator/ Diode Circuit

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.



Terminal Width

Height x Length

Terminal Voltage

Stripping Length

Insulation Material

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

Terminal Block

End Plate

DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72

Internal
Jumper



2 pole
3 pole
4 pole
10 pole

Current
Bars



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

Shorting Sleeve & Screw



Marking Tags



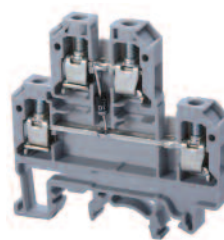
Diode Specifications

Diode 1N 4007

Diode Reverse Voltage 1000 V

Diode Current 1 A

CDL4U(E)D1/D2



With arc suppression circuit for
contactors and solenoid valves - DC

6 mm

54 x 55.5 mm

300 V~

9 mm

Polyamide 6.6



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

600 V 400 V 600 V

25 A 32 A 35 A

7 lb-in 0.5 Nm 7 lb-in



Cat. No. Std. Pk.

CDL4U(E)D1 100
CDL4U(E)D2 100

EPCDL4U 50



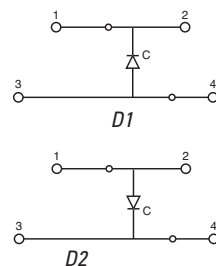
CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

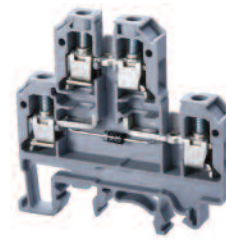
CA703/1 100
CA704/2 100
CA705/3 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100



CDL4U(E)D3



Diode circuit for
reverse polarity protection

6 mm

54 x 55.5 mm

300 V~

9 mm

Polyamide 6.6



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

600 V 400 V 600 V

25 A 32 A 35 A

7 lb-in 0.5 Nm 7 lb-in



Cat. No. Std. Pk.

CDL4U(E)D3 100

EPCDL4U 50



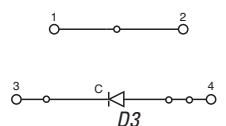
CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA703/1 100
CA704/2 100
CA705/3 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100



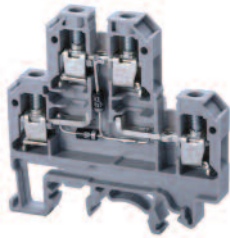
COLOR BLOCKS

(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

CDL4U(E)DD1/DD2

Diode circuit for lamp testing

6 mm

54 x 55.5 mm

300 V~

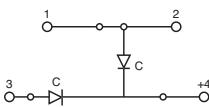
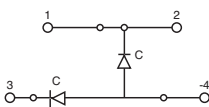
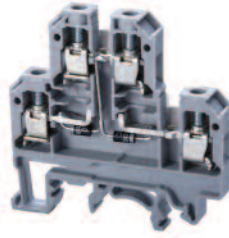
9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
CDL4U(E)DD1	100
CDL4U(E)DD2	100
EPCDL4U	50
	
CA702	50
CA802	50
CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10
CA607/S/Q	100
MT2	100


DD1

DD2
CDL4U(E)DD3/DD4

Diode circuit for lamp testing

6 mm

54 x 55.5 mm

300 V~

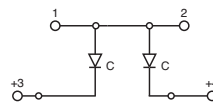
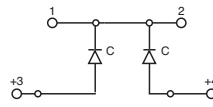
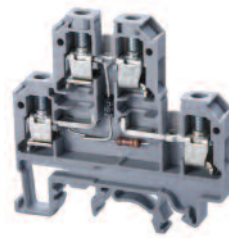
9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
CDL4U(E)DD3	100
CDL4U(E)DD4	100
EPCDL4U	50
	
CA702	50
CA802	50
CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10
CA607/S/Q	100
MT2	100


DD3

DD4
CDL4U(E)D4

Diode circuit for lamp testing with LED series resistance

6 mm

54 x 55.5 mm

12V~/24 V~

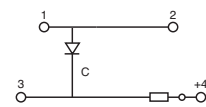
9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
CDL4U(E)D4	100
EPCDL4U	50
	
CA702	50
CA802	50
CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10
CA607/S/Q	100
MT2	100


D4
CDL4U(E)DD5

Diode circuit for lamp testing with LED series resistance

6 mm

54 x 55.5 mm

12V~/24 V~

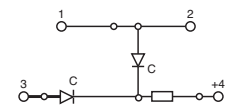
9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



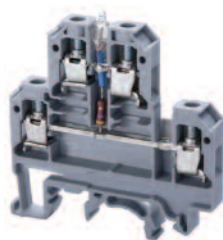
Cat. No.	Std. Pk.
CDL4U(E)DD5	100
EPCDL4U	50
	
CA702	50
CA802	50
CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10
CA607/S/Q	100
MT2	100


DD5

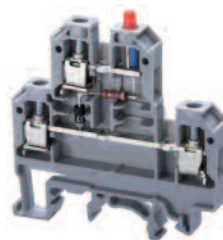
Indicator/ Diode Circuit



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	110 V~ to 220 V~			24 V~, 48 V~, 120V~, 220V~			12 V~, 24 V~		
Stripping Length	9 mm			9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Approvals									
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

Other Approvals



Terminal Block

End Plate

Cat. No.	Std. Pk.
CDL4U(E)N1	50

Cat. No.	Std. Pk.
CDL4U(E)LD5*	50

Cat. No.	Std. Pk.
CDL4U(E)LD3*	50

DIN Rail
for ordering information
refer to page 70



End Stop
for ordering information
refer to page 72

CA702	50
CA802	50

CA702	50
CA802	50

CA702	50
CA802	50

Internal Jumper 2 pole
3 pole
4 pole
10 pole

CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10

CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10

CA727/2	100
CA727/3	100
CA727/4	100
CA727/10	10

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

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

Shorting Sleeve & Screw

CA607/S/Q	100
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CA607/S/Q	100
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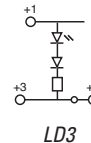
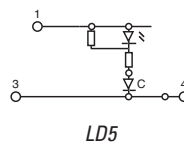
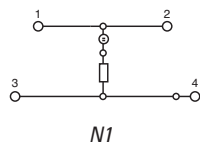
CA607/S/Q	100
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Marking Tags

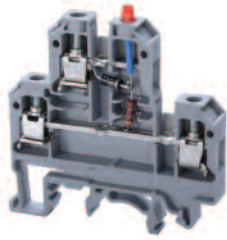
MT2	100
-----	-----

MT2	100
-----	-----

MT2	100
-----	-----



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

CDL4U(E)LD4*

AC/ DC voltage indicator with LED

6 mm

54 x 55.5 mm

24V~, 48 V~

9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
----------	----------

CDL4U(E)LD4* 50

EPCDL4U 50

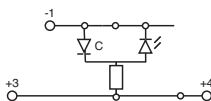
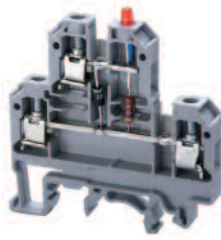

CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100


CDL4U(E)LD1/LD2

DC voltage indicator with LED

6 mm

54 x 55.5 mm

24 V-

9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
----------	----------

CDL4U(E)LD1 50
CDL4U(E)LD2 50

EPCDL4U 50

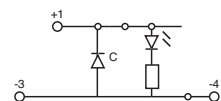
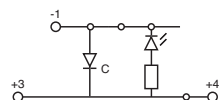
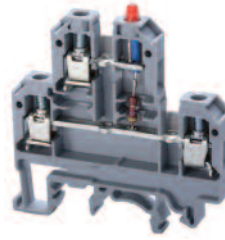

CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100


LD1

LD2
CDL4U(E)L1/L2*

DC voltage indicator with LED

6 mm

54 x 55.5 mm

6 V-, 24 V-, 60 V-

9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
----------	----------

CDL4U(E)L1* 50
CDL4U(E)L2* 50

EPCDL4U 50

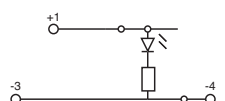
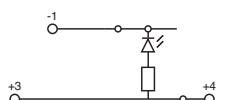
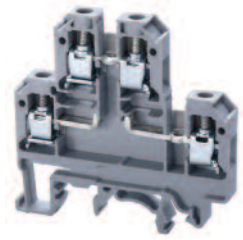

CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100


L1

L2
CDL4U(O)

Electronic Component Carrier

6 mm

54 x 55.5 mm

9 mm

Polyamide 6.6

		
22-10 AWG	0.5-4 sq.mm	22-10 AWG
600 V	400 V	600 V
25 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



Cat. No.	Std. Pk.
----------	----------

CDL4U(O) 100

EPCDL4U 50


CA702 50
CA802 50

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

MT2 100



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

Surge Suppressor

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.

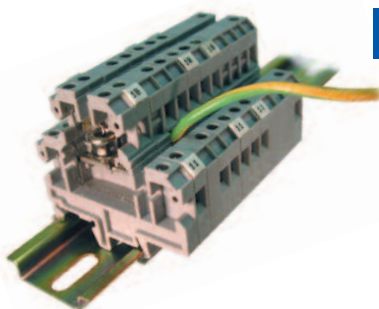
Note:
CDL4U(E)SDU - For D.C.
Application

CDL4U(E)SDB - For A.C.
Application

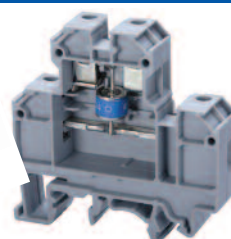
A - Anode

K - Cathode

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



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

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 (8/20μs)

10 KA (8/20μs)

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.

Terminal Block

Cat. No.	Std. Pk.
CDL4U(E)LA75V	20
CDL4U(E)LA90V	20
CDL4U(E)LA230V	20
CDL4U(E)LA600V	20
CDL4U(E)LA1000V	20

Cat. No.	Std. Pk.
CDL4U(E)3LA90V	20
CDL4U(E)3LA230V	20
CDL4U(E)3LA350V	20
CDL4U(E)3LA600V	20

End Plate



EPCDL4U

50

EPCDL4U

50

DIN Rail
for ordering information
refer to page 70



End Stop
for ordering information
refer to page 72



CA702
CA802

50
50

CA702
CA802

50
50

Marking Tags (MT Type)

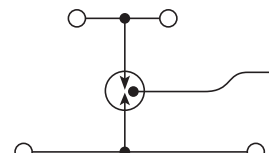
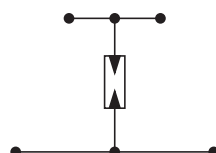


MT2

100

MT2

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

CDL4U(E)MOV¹


MOV

12 mm

54 x 55.5 mm

9 mm

Polyamide 6.6

4 screw clamps

22-10 AWG

130 V AC*

–

2kA-6.5kA (8/20µs)

<25ns

10A

100-20,000 pf

For protection from voltage surge, spikes

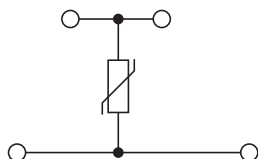
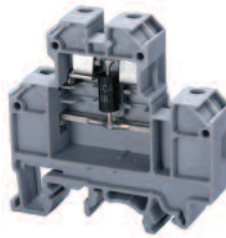
Cat. No.	Std. Pk.
CDL4U(E)MOV30V	20
CDL4U(E)MOV60V	20
CDL4U(E)MOV75V	20
CDL4U(E)MOV130V	20
CDL4U(E)MOV275V	20
CDL4U(E)MOV460V	20
CDL4U(E)MOV510V	20
CDL4U(E)MOV625V	20
CDL4U(E)MOV680V	20

EPCDL4U	50
---------	----



CA702	50
CA802	50

MT2 100


CDL4U(E)SD


Suppressor Diode

12 mm

54 x 55.5 mm

9 mm

Polyamide 6.6

4 screw clamps

22-10 AWG

12-48V DC / 12-160V AC**

1.5 KA

–

1 ns DC / 5 ns AC

10A

–

For fine protection of data interfaces, sensors, contacts, etc.

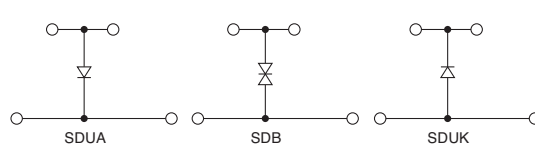
Cat. No.	Std. Pk.
CDL4U(E)SDUA15V	20
CDL4U(E)SDUA24V	20
CDL4U(E)SDUA48V	20
CDL4U(E)SDUK15V	20
CDL4U(E)SDUK24V	20
CDL4U(E)SDUK48V	20
CDL4U(E)SDB15V	20
CDL4U(E)SDB24V	20
CDL4U(E)SDB48V	20
CDL4U(E)SDB160V	20

EPCDL4U	50
---------	----



CA702	50
CA802	50

MT2 100


CDL4U(E)RC


RC Circuit

18 mm

54 x 55.5 mm

9 mm

Polyamide 6.6

4 screw clamps

22-10 AWG

250 V AC / 330 V DC

20A

–

–

10A

0.1 µf or 0.22 µf²

For protection of DC solenoid valves and contactors

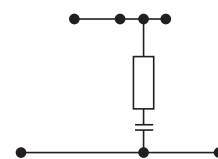
Cat. No.	Std. Pk.
CDL4U(E)RC0.1	20
CDL4U(E)RC0.22	20

EPCDL4U	50
---------	----



CA702	50
CA802	50

MT2 100



¹ A fuse block is recommended to protect MOV terminals by disconnecting the faulted varistor. See pages 18-21 for fuse blocks.

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

** Phase to Phase / Phase to ground.

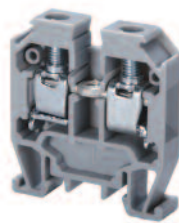
Mini Feed-Through 15mm

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.



CMT4



CGMT4



Terminal Width

6 mm

6 mm

Height x Length

29 x 27 mm

28.5 x 27 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

Approvals



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

300 V

400 V

300 V

Current Rating

35 A

32 A

35 A

32A

Torque

6 lb-in

0.5 Nm

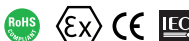
7 lb-in

7 lb-in

0.5 Nm

7 lb-in

Other Approvals



Terminal Block

End Plate



Isolation Partition



DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72



Internal
Jumper



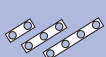
2 pole
3 pole
4 pole
10 pole

Insulated
Internal
Jumper



2 pole
3 pole
4 pole
10 pole

Current
Bars



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

Shorting Sleeve & Screw



External
Jumper



2 pole
3 pole
4 pole
10 pole

Marking Tags (MT Type)
(MT Type on Lever)



Cat. No. Std. Pk.

CMT4 100

EPCMT4 50

PPCMT4 50

CA602 100

CA727/2 100
CA727/3 100
CA727/4 100
CA727/10 10

CA747/2 100
CA747/3 100
CA747/4 100
CA747/10 10

CA703/1 100
CA704/1 100
CA705/1 100
CA732/10 100
CA732/10-A 100
CA732/100 10

CA607/S/Q 100

CA714/2 100
CA714/3 100
CA714/4 100
CA714/10 20

MT2 100

Cat. No. Std. Pk.

CGMT4 50

MT2 100

COLOR BLOCKS

(other than grey standard)

When ordering please add
color suffix to Cat. No.

Example: CTS2.5U-N/R

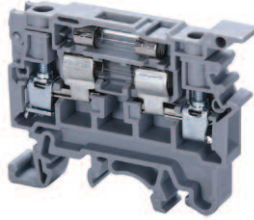
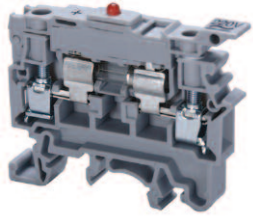
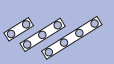
Color	Ordering Suffix
Red	R
Blue	BU
Black	BL
Orange	O
Green	G
Yellow	Y
White	W
Beige	BG
Dark Brown	DB

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 de-signed built-in circuit gives light indication in the event of fuse blow out.

† Fuses are sold separately Altech, see pages 23-24.

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

	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	
LED Voltage			24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC, 300V AC	
Type of Fuse Used	Ø5x20, Ø5x25mm		Ø5x20, Ø5x25mm	
Approvals				
Wire Range	22-10 AWG		22-10 AWG	
Voltage Rating	600 V		600 V	
Current Rating	6.3 A		6.3 A	
Torque	7 lb-in		7 lb-in	
Other Approvals				
Terminal Block	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
	CSFL4U	100	CSFL4U(L)*	100
End Plate 	EPCSFL4U	50	EPCSFL4U	50
Isolation Partition 	PPCSFL4U	50	PPCSFL4U	50
DIN Rail for ordering information refer to page 70				
End Stop for ordering information refer to page 72 	CA602	100	CA602	100
Internal Jumper 	2 pole 3 pole 4 pole 10 pole			
Insulated Internal Jumper 	2 pole 3 pole 4 pole 10 pole			
Current Bars 	2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole			
Shorting Sleeve & Screw 				
External Jumper 	2 pole 3 pole 4 pole 10 pole			
Marking Tags (MTType) 	MT8	100	MT8	100
(MTType on Lever)	MT2	100	MT2	100

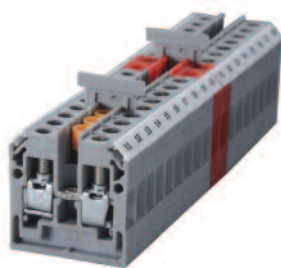
Mini Feed-Through Panel Mount

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

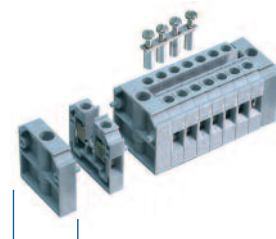
Individual components can be used to build your own assemblies. Just snap the required number of terminal block components together and place a Mounting Section on each end.

The CMB4 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

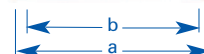
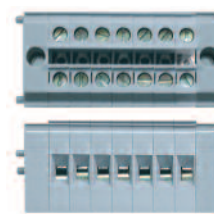


CMB4



EPCMB4

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

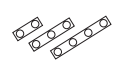


Terminal Width	6 mm		
Height x Length	28 x 27 mm		
Stripping Length	9 mm		
Insulation Material	Polyamide 6.6		
Type of Connection	2 screw clamps & 1 tapped hole for cross connect.		
Approvals	  		
Wire Range	22-10 AWG	0.5-4 sq.mm	22-10 AWG
Voltage Rating	300 V	400 V	300 V
Current Rating	35 A	32 A	35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

Other Approvals

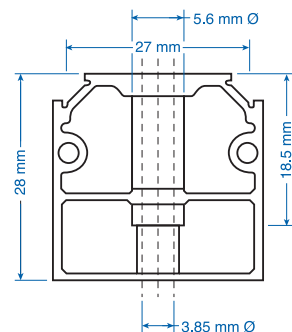


Terminal Block

Mounting Section		Cat. No.	Std. Pk.
		CMB4	100
Separator Plate		SPCMB4	100
Mounting Screw*		Any length M3 screw may be used.	
Internal Jumper		2 pole	CA727/2 100
		3 pole	CA727/3 100
		4 pole	CA727/4 100
		10 pole	CA727/10 10
Insulated Internal Jumper		2 pole	CA747/2 100
		3 pole	CA747/3 100
		4 pole	CA747/4 100
		10 pole	CA747/10 10
Current Bars		2 pole	CA703/1 100
		3 pole	CA704/1 100
		4 pole	CA705/1 100
		10 pole	CA732/10 100
		10 pole (breakable)	CA732/10-A 100
		100 pole	CA732/100 10
Shorting Sleeve & Screw		CA607/S/Q	100
External Jumper		2 pole	CA714/2 100
		3 pole	CA714/3 100
		4 pole	CA714/4 100
		10 pole	CA714/10 20
Marking Tags (MT Type)		MT2	100

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.

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

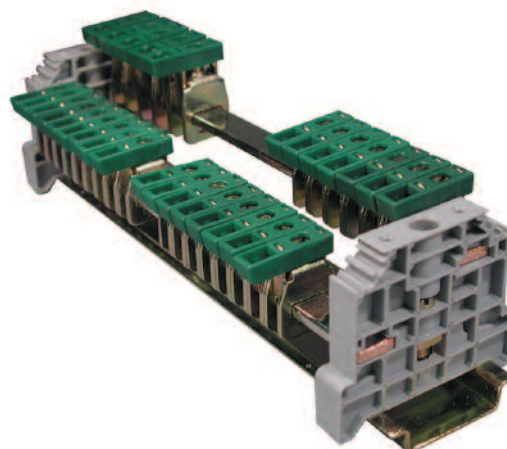
A quick reliable solution for ground, neutral or low voltage distribution applications. The Busbar System consists of a busbar, busbar supports, and screw clamp terminals for terminating wires

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	  			  			  		
Wire Range	22-10 AWG 0.5-6 sq.mm 22-12 AWG			10-4 AWG 6-16 sq.mm 10-6 AWG			8-2 AWG 10-35 sq.mm 8-2 AWG		
Current Rating*	35 A 41 A			80 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		
Other Approvals	  			  			  		
	Cat. No.	Std. Pk.		Cat. No.	Std. Pk.		Cat. No.	Std. Pk.	
Terminal Block**	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.

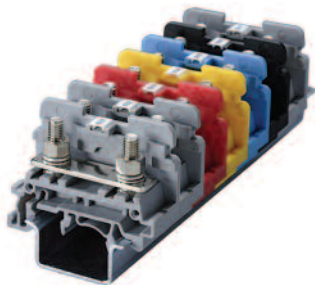
Stud Type Block

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

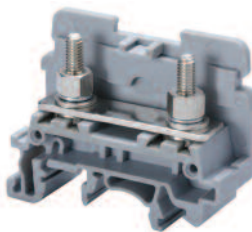
The wire is crimped to a ring / fork type lug and is screwed on to the flat current bar in terminal. The range includes terminal blocks for wires of size 22-4 AWG.

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.

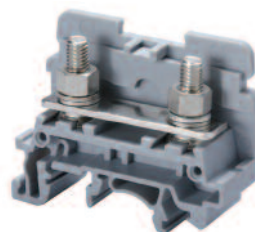
It is recommended to use protective covers in transparent plastic because assemblies of these terminals blocks are not fully covered.



CSTSN4U



CSTSN5U



Terminal Width	17 mm			17 mm		
Height x Length	39.5 x 50 mm			39.5 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						
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
Other Approvals						

Terminal Block

End Plate	
-----------	---

DIN Rail
for ordering information
refer to page 70

End Stop for ordering information refer to page 72	
--	---

Protective Cover for covering	 2 Terminal 3 Terminal
----------------------------------	--

Protective Cover in Length	 100 mm 200 mm 300 mm
-------------------------------	--

Insulated Removable Jumpers	 2 way 3 way 4 way
--------------------------------	---

Insulated Permanent Jumpers	 2 way 3 way 4 way
--------------------------------	---

Marking Tags (MT Type)	
------------------------	---

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CSTSN4U	100	CSTSN5U	100
EPCSTSN5U	50	EPCSTSN5U	50
			
CA702	50	CA702	50
CA802	50	CA802	50
CSTSPC1	100	CSTSPC1	100
CSTSPC1-1	100	CSTSPC1-1	100
CSTSPC1-2	10	CSTSPC1-2	10
CSTSPC1-3	10	CSTSPC1-3	10
CSTSPC1-4	10	CSTSPC1-4	10
CA514/1-2	100	CA514/1-2	100
CA514/1-3	50	CA514/1-3	50
CA514/1-4	50	CA514/1-4	50
CA514/3-2	100	CA514/3-2	100
CA514/3-3	50	CA514/3-3	50
CA514/3-4	50	CA514/3-4	50
MT2	100	MT2	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

CSTSB4U

CSTSB5U


Terminal Width	17 mm			17 mm		
Height x Length	39.5 x 50 mm			39.5 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						
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
Other Approvals						

Terminal Block

End Plate


DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72

Protective Cover
for covering

2 Terminal
3 Terminal

Protective Cover
in Length

100 mm
200 mm
300 mm

Insulated Removable
Jumpers

2 way
3 way
4 way

Insulated Permanent
Jumpers

2 way
3 way
4 way

Marking Tags (MT Type)



Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CSTSB4U	100	CSTSB5U	100
EPCSTN5U	50	EPCSTN5U	50
CA702	50	CA702	50
CA802	50	CA802	50
CSTSPC1	100	CSTSPC1	100
CSTSPC1-1	100	CSTSPC1-1	100
CSTSPC1-2	10	CSTSPC1-2	10
CSTSPC1-3	10	CSTSPC1-3	10
CSTSPC1-4	10	CSTSPC1-4	10
CA514/1-2	100	CA514/1-2	100
CA514/1-3	50	CA514/1-3	50
CA514/1-4	50	CA514/1-4	50
CA514/3-2	100	CA514/3-2	100
CA514/3-3	50	CA514/3-3	50
CA514/3-4	50	CA514/3-4	50
MT2	100	MT2	100

Hinge Type Stud Block

STH Series Terminal Blocks are preferred for application where the connections are subjected to severe vibration. The wire is crimped to a ring / fork lug and is screwed on to the flat current bar of the Terminal Block. The hinged carrier should be lifted to insert the lugs and then fastened to complete the connection.

By virtue of the hinged design, the Terminal Blocks apart from shrouding the live parts, providing IP 20 (Finger Safe) protection, saves considerable time in wiring.

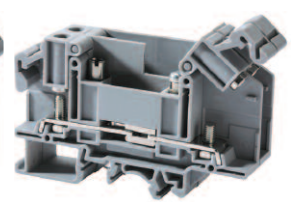
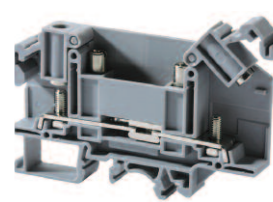
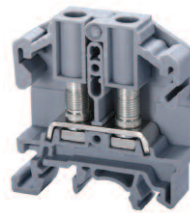
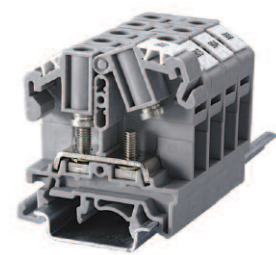
Two Lugs can be connected to the Terminal, without sacrificing the safety of the Terminal Block.

STH4DT Disconnect & Test Terminal Block is used for measuring, control and regulatory circuits. They provide a clear functional advantage for devices having utility instruments and associated transformers.

Socket Headed Screws act as test monitoring point on either side of the Terminal Block. Disconnection is achieved by means of a slide link operated with a Screw Driver.

STH4DTSH Terminal Block has 2 STH4DT Terminal Block shorted to achieve switchable cross connection (on one side).

Note: The disconnecting device is not suitable for interrupting load. The supply must be switched off before operating the slide link / moving the hinged carrier.



Terminal Width	11 mm			11 mm			22 mm		
Height x Length	50.5 x 46 mm			50.5 x 86 mm			50.5 x 86 mm		
Stripping Length	10 mm			10 mm			10 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 stud flat connection			2 stud flat connection			2 stud flat connection		
Stud Size / Operated by	M4 / Screwdriver			M4 / Screwdriver			M4 / Screwdriver		
Approvals									
Wire Range	22-8 AWG	1.5-6 sq.mm	22-8 AWG	22-8 AWG	1.5-6 sq.mm	22-8 AWG	22-8 AWG	1.5-6 sq.mm	22-8 AWG
Voltage Rating	600 V	800 V	600 V	600 V	800 V	600 V	600 V	800 V	300 V
Current Rating	50 A	41 A	50 A	50 A	41 A	35 A	10 A	10 A	25 A
Torque	14 lb-in	1.2 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in	14 lb-in	1.2 Nm	14 lb-in
Other Approvals									
	Cat. No.	Std. Pk.		Cat. No.	Std. Pk.		Cat. No.	Std. Pk.	
Terminal Block	STH4	100		STH4DT	100		STH4DTSH	100	
End Plate 	EPSTH4	50		EPSTH4DT	50		EPSTH4DT	50	
DIN Rail for ordering information refer to page 70									
End Stop for ordering info. refer to page 72 	CA702 CA802	100 50		CA702 CA802	100 50		CA702 CA802	100 50	
Removable Shorting Link	2 way 3 way 4 way	CA512/13-2 CA512/13-3 CA512/13-4	100 50 50	CA512/13-2 CA512/13-3 CA512/13-4	100 50 50	CA512/13-2 CA512/13-3 CA512/13-4	100 50 50	CA512/13-2 CA512/13-3 CA512/13-4	100 50 50
Insulated Removable Shorting Link 	2 way 3 way 4 way	CA514/13-2 CA514/13-3 CA514/13-4	100 50 50	CA514/13-2 CA514/13-3 CA514/13-4	100 50 50	CA514/13-2 CA514/13-3 CA514/13-4	100 50 50	CA514/13-2 CA514/13-3 CA514/13-4	100 50 50
Permanent Shorting Link	2 way 3 way 4 way	CA512/14-2 CA512/14-3 CA512/14-4	100 50 50	CA512/14-2 CA512/14-3 CA512/14-4	100 50 50	CA512/14-2 CA512/14-3 CA512/14-4	100 50 50	CA512/14-2 CA512/14-3 CA512/14-4	100 50 50
Insulated Permanent Jumpers 	2 way 3 way 4 way	CA514/14-2 CA514/14-3 CA514/14-4	100 50 50	CA514/14-2 CA514/14-3 CA514/14-4	100 50 50	CA514/14-2 CA514/14-3 CA514/14-4	100 50 50	CA514/14-2 CA514/14-3 CA514/14-4	100 50 50
Marking Tags (K Type) 	CA509/K10	100		CA509/K10	100		CA509/K10	100	

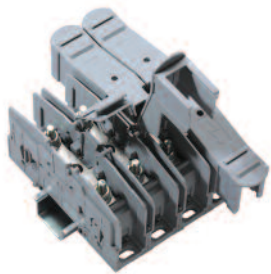
PTB series Terminal Blocks are preferred for application using wires of large cross section. The Wire is crimped to a ring / fork lug and is screwed on to the flat current bar of the Terminal Block. Specially designed Mounting Feet holds the Terminal Block rigidly on to the Mounting Rail.

Two Lugs of 35 sq.mm can be connected to the Terminal Block, without sacrificing the safety of the Terminal Block. Hinged Protective Cover makes the Terminal Block shock proof (finger safe) and has marker recess to accept marking tag.

The Terminal Blocks can be stacked together by pressing the adjacent Terminal Blocks firmly*. In PTB35SH series Terminal Blocks, adjacent terminals can be shorted by removing a thin wall partition and using 2/3/4 way shorting link.

Optional Marker Holder MHPTB35 can be used for installing marking tags on the Terminal Blocks without protective covers.

* M3 Screw of desired length with nut can be used optionally to secure the stack.



Terminal Width

Height x Length

Stripping Length

Insulation Material

Type of Connection

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

PTB35



25 mm

62 x 113 mm

18 mm / M6

Polyamide 6.6

2 bolts for connection

UL ^①		
8-2 AWG	16-35 sq.mm	8-2 AWG
600 V	1000 V	600 V
130 A	125 A	130 A
27 lb-in	3.0 Nm	27 lb-in



PTB35SH



25 mm

65 x 169 mm

18 mm / M6

Polyamide 6.6

2 bolts for connection

UL ^①		
8-2 AWG	16-35 sq.mm	8-2 AWG
600 V	1000 V	600 V
130 A	125 A	130 A
27 lb-in	3.0 Nm	27 lb-in



Terminal Block

DIN Rail
for ordering information
refer to page 70

End Stop
for ordering information
refer to page 72



Protective Cover



Marker Holder

Internal Jumper



2 way
3 way
4 way

Marking Tags (K Type)



Cat. No.

Std. Pk.

PTB35

100



CA702
CA102
CA202

100
50
50

PSPTB35

40

MHPTB35

40

CA703/9
CA704/9
CA705/9

10
10
10

CA509/K9

100

Cat. No.

Std. Pk.

PTB35SH

100



CA702
CA102
CA202

100
50
50

CA703/9
CA704/9
CA705/9

10
10
10

CA509/K9

100



Marker Holder

① UL recognition in progress.