

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 CTC4U Tab Connection terminals offer quick connection possibility. These terminal blocks are suited for standard 'Fast On' type lugs.

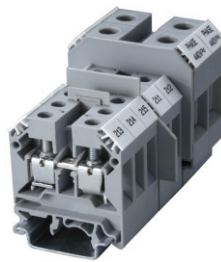
The connection is achieved by pushing the lug / ferrule onto the tab blade of the terminal block.

CTC4U is used primarily in railway systems.

A nice alternative to 'Fast On' style barrier strips.

Mounting Handle

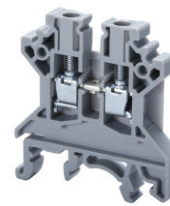
See page 91.



CTS2.5U-N



CTS4U-N



CTC4U



Terminal Width	5 mm			6 mm			49.5 x 47 mm	
Height x Length	45 x 43 mm			45 x 43 mm			49.5 x 47 mm	
Stripping Length	8 mm			8 mm			9 mm	
Insulation Material	Polyamide 6.6			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.			5 tab connection points and 1 tapped hole for cross connection	
Approvals	C US	60947-7-1	C US E220514	C US	60947-7-1	C US E220514		
Wire Range	22-12 AWG	0.2-2.5 sq.mm	22-12 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG		
Rated Cross Section	1 conductor per clamp			1 conductor per clamp			0.25-4.0 sq.mm 24-12 AWG	
	2 same size conductors			2 same size conductors			0.25-2.5 sq.mm 24-12 AWG	
Voltage Rating	600 V	1000 V	600 V	600 V	1000 V	600 V	300 V	
Current Rating	25 A	24 A	25 A	35/40 A*	32 A	35/40A*	32 A	
Torque	7 lb-in	0.4 Nm	7 lb-in	7 lb-in	0.5 Nm	7 lb-in		
Tab Blade Size							6.3 x 0.8	

Other Approvals				
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Terminal Block	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
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CTS2.5U-N	100	CTS4U-N	100	CTS4U	100
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End Plate	EP2.5/4UN	50	EP2.5/4UN	50	EPCTC4U	50
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Isolation Partition	PP2.5/4UN	50	PP2.5/4UN	50		
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Separator Plate	SP2.5/4UN	100	SP2.5/4UN	100		
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DIN Rail for ordering information refer to pages 90-91				
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End Stop for ordering info. refer to page 92	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50

Internal Jumper	2 pole	CA721/2	100	CA722/2	100	CA727/2	100
	3 pole	CA721/3	50	CA722/3	50	CA727/3	50
	4 pole	CA721/4	50	CA722/4	50	CA727/4	50
	10 pole	CA721/10	10	CA722/10	10	CA727/10	10
	100 pole	CA721/100	10	CA722/100	10		

Insulated Internal Jumper	2 pole	CA741/2	100	CA742/2	100	CA747/2	100
	3 pole	CA741/3	50	CA742/3	50	CA747/3	50
	4 pole	CA741/4	50	CA742/4	50	CA747/4	50
	10 pole	CA741/10	10	CA742/10	10	CA747/10	10
	100 pole	CA741/100	10	CA742/100	10		

Current Bars	2 pole	CA703/01	100	CA703/01	100	CA703/1	100
	3 pole	CA704/01	100	CA704/01	100	CA704/1	100
	4 pole	CA705/01	100	CA705/01	100	CA705/1	100
	10 pole	CA731/10	100	CA732/10	100	CA732/10	100
	10 pole (breakable)	—		CA732/10-A	100	CA732/10-A	100
	100 pole	CA731/100	10	CA732/100	10	CA732/100	10

Shorting Sleeve & Screw	CA 707/S/Q/01	100	CA 707/S/Q/01	100	CA 807/S/Q/01	100
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External Jumper	2 pole	CA717/2	100	CA714/2	100	CA707/TS/01	100
	3 pole	CA717/3	100	CA714/3	100		
	4 pole	CA717/4	100	CA714/4	100		
	10 pole	CA717/10	25	CA714/10	25		

Test Socket					CA707/TS/01	100
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Marking Tags	MT5	100	MT6	100	MT6	100
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COLOR BLOCKS
(other than standard grey)

When ordering please add color suffix to Cat. No.

Example for color Red: **Cat.No./R**

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability:

Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

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

CTS6U


8 mm

47 x 43 mm

9 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.

 US C SP	 60947-7-1	 US C SP
22-8 AWG	0.5-6 sq.mm	22-8 AWG
600 V	1000 V	600 V
50 A	41 A	50 A
14 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

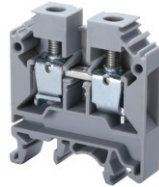
CA743/2	100
CA743/3	50
CA743/4	50
CA743/10	10

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
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CTS10U


10 mm

47 x 43 mm

11 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.

 US C SP	 60947-7-1	 US C SP
22-6 AWG	0.5-10 sq.mm	16-6 AWG
600 V	1000 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/01	100
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CA718/2	100
CA718/3	50
CA718/4	50
CA718/10	25

MT10	100
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CTS16U


12 mm

47 x 43 mm

12 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.

 US C SP	 60947-7-1	 US C SP
22-6 AWG	0.2-16 sq.mm	20-4 AWG
600 V	1000 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

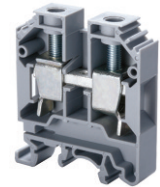
CA751/2	50
CA751/3	50
CA751/4	50
CA751/10	10

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/1	100
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MT12	100
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CTS25U


12 mm

56 x 49 mm

14 mm

Polyamide 6.6

2 screw clamps & 1 tapped hole for cross connect.

 US C SP	 60947-7-1	 US C SP
12-2 AWG	4-25 sq.mm	14-2 AWG
600 V	1000 V	600 V
115 A	101 A	115 A
35 lb-in	2.0 Nm	25 lb-in



Cat. No.	Std. Pk.
CTS25U	50
EP25U	50
PP25U	50



CA702	50
CA802	50

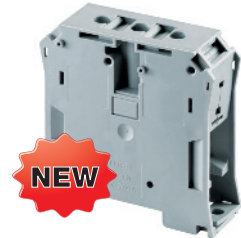
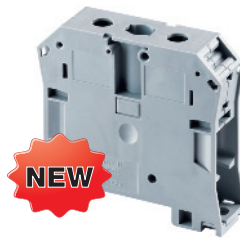
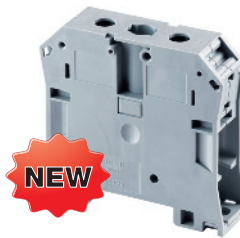
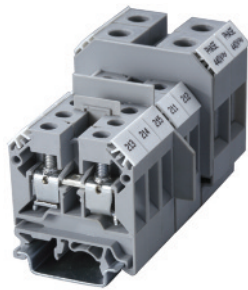
CA725/2	50
CA725/3	25
CA725/4	25
CA725/10	10

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
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Terminal Width	16 mm			20.5 mm			20.5 mm			25 mm		
Height x Length	58 x 50.5 mm			75.5 x 71 mm			75.5 x 71 mm			90 x 83 mm		
Stripping Length	15 mm			22 mm			24 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 clamp connections			2 screw clamp connections			2 screw clamp connections		
Approvals												
Wire Range	12-2 AWG 4-35 sq.mm 12-2 AWG			8-2/0 AWG 10-70 sq.mm 8-2/0 AWG			8-2/0 AWG 10-70 sq.mm 8-2/0 AWG			2-250 KCMIL 25-120 sq.mm 2-250 KCMIL		
Voltage Rating	600 V 1000 V 600 V			1000V 1000 V 1000 V			1000V 1000 V 1000 V			1000V 1000 V 1000 V		
Current Rating	130 A 125 A 130 A			175 A 192 A 175 A			175 A 192 A 175 A			240 A 269 A 240 A		
Torque	25 lb-in 2.5 Nm 25 lb-in			38 lb-in 3 Nm 38 lb-in			38 lb-in 3 Nm 38 lb-in			90 lb-in 6 Nm 90 lb-in		

Other Approvals



	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CTS35UN	50	CTS50/70N	20	CTS50/70NA	20	CTS95U/120N	10

Isolation Partition



PP35UN 50

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering info.
refer to page 92



CA702 50
CA802 50

CA202 50
CA102 50

CA202 50
CA102 50

CA202 50
CA102 50

Internal Jumper
2 pole
3 pole
4 pole
10 pole
100 pole



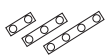
CA771/2 50
CA771/3 25
CA771/4 25
CA771/10 10

Insulated Internal Jumper
2 pole
3 pole
4 pole
10 pole



CA781/2 50
CA781/3 25
CA781/4 25
CA781/10 10

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



CA703/10 100
CA704/10 100
CA705/10 100
CA770/10 100

AUX6

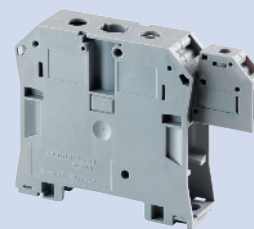
Auxiliary Terminal Block

Used for:

CTS50/70N
CTS50/70NA
CTS95/120N

Wire Range 22-8 AWG

In certain power circuits, there is a need to take an extra connection for an Auxiliary circuit like an indicating light or contactor. The AUX6 terminal easily plugs into the terminal and provides this extra connection point.



Ratings As Per

IEC60947-7-1

Voltage/Current: 1000 V / 41 A
Torque: 0.8 Nm

IEC 60079-7

Voltage/Current: 630 V / 36 A
Torque: 0.8 Nm

UL-1059

Voltage/Current: 600 V / 50 A
Torque: 14 lb-in

CSA22.2-158

Voltage/Current: 600 V / 50 A
Torque: 14 lb-in

Width x Length x Height

8 x 53.6 x 29.4 mm

Std. Pk.: 10

Marking Tag: MT8

Shorting Link System



CA628/2 10
CA628/3 10

CA628/2 10
CA628/3 10

CA629/2 10
CA629/3 10

Shorting Sleeve & Screw



CA707/S/Q/2 100

Marking Tags



MT16 100

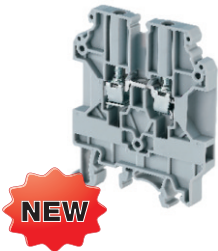
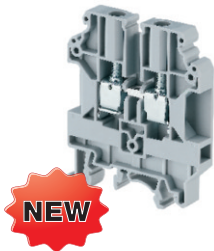
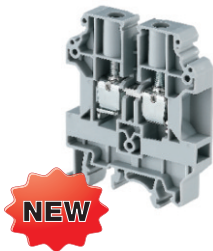
MT16 100

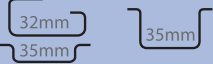
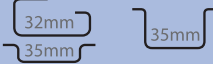
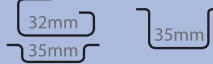
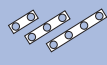
MT16 100

MT16 100

The CHV series Terminal Blocks have been specially designed for high voltage use, such as in solar applications.

A specially designed flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screw driver. These Terminal Blocks have marker holding recesses to accept marking tags for circuit identification. Cross connection can be achieved with the aid of shorting links / sleeves & screws.

	CHV4U			CHV6U			CHV10U		
									
	NEW			NEW			NEW		
Terminal Width	6 mm			8 mm			10 mm		
Height x Length	70.8 x 52 mm			70.8 x 52 mm			70.8 x 52 mm		
Stripping Length	12 mm			14 mm			14 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Approvals	  			  			  		
Wire Range	22-10 AWG	0.2-4 sq.mm	22-10 AWG	22-8 AWG	0.2-6 sq.mm	22-8 AWG	20-6 AWG	0.2-10 sq.mm	22-6 AWG
Voltage Rating	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Current Rating	35 A	32 A	35 A	50 A	41 A	50 A	65 A	57 A	65 A
Torque	7 lb-in	0.5 Nm	7 lb-in	14 lb-in	0.8 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		CHV4U	100	CHV6U	100	CHV10U	100
End Plate		EPUSC	50	EPUSC	50	EPUSC	50
Separator Plate		SP2.5/4UN	50	SP2.5/4UN	50	SP2.5/4UN	50
DIN Rail for ordering information refer to pages 90-91							
End Stop for ordering info. refer to page 92		CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
Internal Jumper		2 pole CA623/2 3 pole CA623/3 4 pole CA623/4 10 pole CA623/10	100 100 100 10	2 pole CA624/2 3 pole CA624/3 4 pole CA624/4 10 pole CA624/10	100 100 100 10	2 pole CA625/2 3 pole CA625/3 4 pole CA625/4 10 pole CA625/10	100 100 100 10
Insulated Internal Jumper		2 pole CA643/2 3 pole CA643/3 4 pole CA643/4 10 pole CA643/10	100 100 100 10	2 pole CA644/2 3 pole CA644/3 4 pole CA644/4 10 pole CA644/10	100 100 100 10	2 pole CA645/2 3 pole CA645/3 4 pole CA645/4 10 pole CA645/10	100 100 100 10
Current Bars		2 pole CA703/1 3 pole CA704/1 4 pole CA705/1 10 pole CA732/10	100 100 100 100	2 pole CA703/2 3 pole CA704/2 4 pole CA705/2 10 pole CA733/10	100 100 100 100	2 pole CA703/3 3 pole CA704/3 4 pole CA705/3 10 pole CA734/10	100 100 100 100
Short Sleeve & Screw		CA608/S/Q	100	CA609/S/Q	100	CA610/S/Q	100
Marking Tags		MT6	100	MT8	100	MT10	100

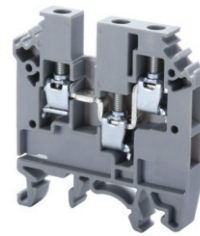
Feed-Through Multi-Connection

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.

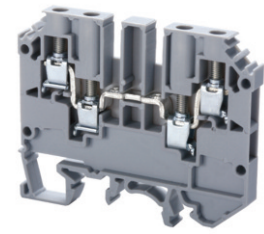
Type CMC1-2 features a single screw-cage clamp for 22-10 AWG wires on one side and two clamps on the other side for 22-10 AWG wires.

Type CMC2-2 has two identical clamps for 22-10 AWG wires on both sides. Having 2 internal jumper ports makes jumping every other pole convenient.

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	0.2-4 sq.mm	22-10 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG
Voltage Rating	600 V	630 V	600 V	600 V	630 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



Terminal Block

End Plate 

Cat. No. Std. Pk.

CMC1-2 100

Cat. No. Std. Pk.

CMC2-2 50

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering information
refer to page 92 

CA702 50
CA802 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

Insulated Internal Jumper  2 pole
3 pole
4 pole
10 pole
100 pole

CA742/2 100
CA742/3 50
CA742/4 50
CA742/10 10
CA742/100 5

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

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 

MT6 100

MT6 100

COLOR BLOCKS

(other than standard grey)

When ordering please add color suffix to Cat. No.

Example for color Red: Cat.No./R

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability:

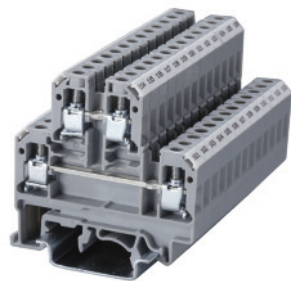
Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

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.

CDL4UN(I.S) internally shorted double level terminals are useful for distribution applications by using shorting links at lower levels.

Now uses larger MT6 tag for easier visibility.



Terminal Width	
Height x Length	
Stripping Length	
Insulation Material	
Type of Connection	
Approvals	
Wire Range	
Voltage Rating	
Current Rating	
Torque	
Other Approvals	

Terminal Block

End Plate	
Separator Plate	
DIN Rail for ordering information refer to pages 90-91	
End Stop for ordering information refer to page 92	

Internal Jumper	 2 pole 3 pole 4 pole 10 pole
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Insulated Internal Jumper	 2 pole 3 pole 4 pole 10 pole
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Current Bars	 2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 10 pole
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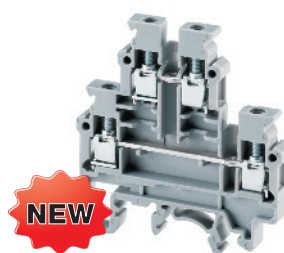
Shorting Sleeve & Screw	
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External Jumper	 2 pole 3 pole 4 pole 10 pole
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Marking Tags	
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Feed-Through Double Level

CDL4UN



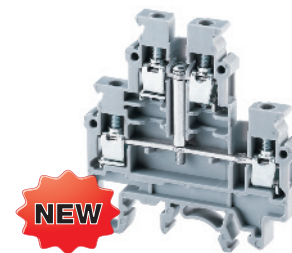
6 mm		
54 x 55.5 mm		
9 mm		
Polyamide 6.6		
4 screw clamps & 2 tapped holes for cross connection		
 C US	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
600V	800 V	600 V
35 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



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

CDL4UN	100
EPCDL4UN	50
SPCDL4U	100
 CA702 CA802	50 50
CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA742/2	100
CA742/3	50
CA742/4	50
CA742/10	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
CA714/2	100
CA714/3	100
CA714/4	50
CA714/10	25
MT6	100

CDL4UN(I.S)



6 mm		
54 x 55.5 mm		
9 mm		
Polyamide 6.6		
4 screw clamps & 1 tapped hole for cross connection		
 C US	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
600 V	800 V	600 V
35 A	32 A	35 A
7 lb-in	0.5 Nm	7 lb-in



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

CDL4UN(I.S)	100
EPCDL4UN	50
SPCDL4U	100
 CA702 CA802	50 50
CA722/2	100
CA722/3	50
CA722/4	50
CA722/10	10
CA742/2	100
CA742/3	50
CA742/4	50
CA742/10	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	50
CA714/10	25
MT6	100

COLOR BLOCKS

(other than standard grey)

When ordering please add color suffix to Cat. No.

Example for color Red: Cat.No./R

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability:

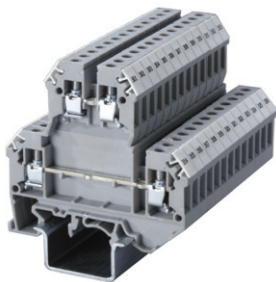
Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

Feed-Through Offset Double Level

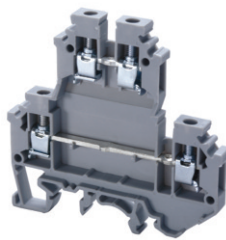
Altech Offset Double Level Terminals provide a separate connection at two levels. In ODL, the top level is offset from the bottom level by half the thickness of the terminal.

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	0.2-4 sq.mm	22-10 AWG
Voltage Rating	600 V	800 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

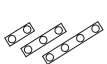
End Plate	Front Back	
-----------	------------	---

DIN Rail
for ordering information
refer to pages 90-91

End Stop for ordering information refer to page 92	
--	---

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	
--------------	---

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

ODL4U	50
EPODL4U	50
EP10DL4U	50



CA702	50
CA802	50

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

CA747/2	100
CA747/3	50
CA747/4	50
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	50
CA714/10	25

MT6	100
-----	-----

COLOR BLOCKS

(other than standard grey)

When ordering please add color suffix to Cat. No.

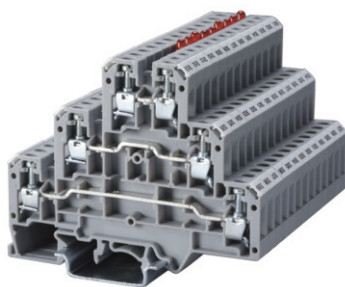
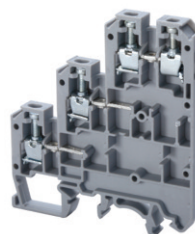
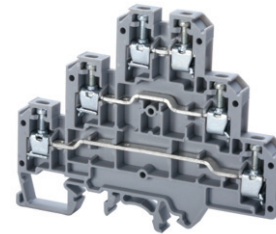
Example for color Red: Cat.No./R

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

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 CTL2.5U-H terminal block provide connecting points for signal while middle and bottom level provide connecting points are used for positive and negative potential.


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

22-12 AWG 0.2-2.5 sq.mm 22-12 AWG

22-12 AWG 0.2-2.5 sq.mm 22-12 AWG

Voltage Rating

300 V 500 V 300 V

300 V 500 V 300 V

Current Rating

25 A 24 A 25 A

25 A 24 A 25 A

Torque

4.5 lb-in 0.4 Nm 4.5 lb-in

4.5 lb-in 0.4 Nm 4.5 lb-in

Other Approvals
Cat. No. Std. Pk.
Cat. No. Std. Pk.
Terminal Block
CTL2.5U-H 50

CTL2.5U 50

End Plate

EPCTL2.5U-H 50

EPCTL2.5U 50

DIN Rail
for ordering information
refer to pages 90-91

End Stop
for ordering information
refer to page 92

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

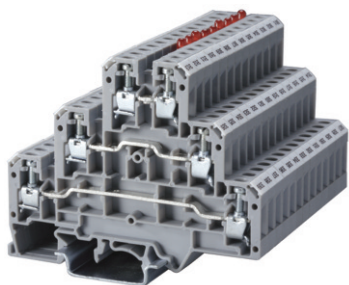
(other than standard grey)

When ordering please add color suffix to Cat. No.

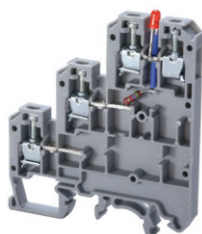
Example for color Red: **Cat.No./R**

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

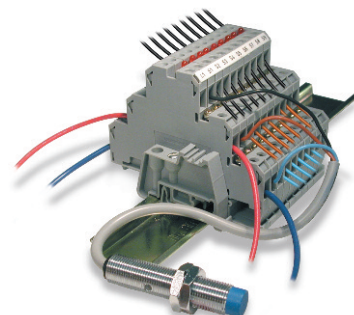
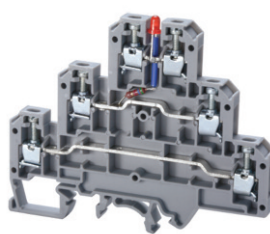
Feed-Through Triple Level



CTL2.5U-H(L)*



CTL2.5U(L)*



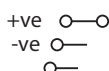
Terminal Width	6 mm			6 mm		
Height x Length	67 x 61 mm			67 x 84 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 Screw clamps & 2 tapped holes for cross connect.			6 Screw clamps & 2 tapped holes for cross connect.		
LED Voltage	12V, 24V, 110V DC			12V, 24V, 110V DC		
Approvals						
Wire Range	22-12 AWG	0.2-2.5 sq.mm	22-12 AWG	22-12 AWG	0.2-2.5 sq.mm	22-12 AWG
Voltage Rating	300 V	500 V	300 V	300 V	500 V	300 V
Current Rating	25 A	24 A	25 A	25 A	24 A	25 A
Torque	4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 lb-in
Other Approvals						

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

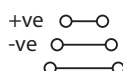
In applications where switching indication is required, choice of CTL2.5UH(L) and CTL2.5U(L) terminal blocks with built-in electronic components are available.

Terminal Block

		Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CTL2.5U-H(L)*				CTL2.5U(L)*	
End Plate		EPCTL2.5U-H	50	EPCTL2.5U	50
DIN Rail for ordering information refer to pages 90-91					
End Stop for ordering information refer to page 92		CA202	50	CA202	50
		CA702	50	CA702	50
		CA802	50	CA802	50
Internal Jumper	 2 pole 3 pole 4 pole 10 pole 100 pole	CA722/2	100	CA722/2	100
		CA722/3	50	CA722/3	50
		CA722/4	50	CA722/4	50
		CA722/10	10	CA722/10	10
		CA722/100	5	CA722/100	5
Current Bars	 2 pole 3 pole 4 pole 10 pole 10 pole (breakable) 100 pole	CA703/1	100	CA703/1	100
		CA704/1	100	CA704/1	100
		CA705/1	100	CA705/1	100
		CA732/10	100	CA732/10	100
		CA732/10-A	100	CA732/10-A	100
		CA732/100	10	CA732/100	10
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	CA715/2	100
		CA715/3	100	CA715/3	100
		CA715/4	100	CA715/4	100
		CA715/10	50	CA715/10	50
Marking Tags		MT2	100	MT2	100



Circuit Diagrams



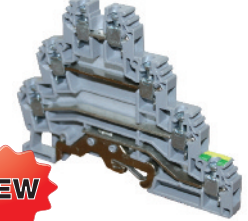
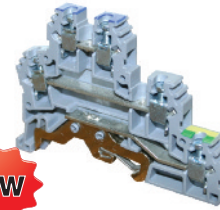
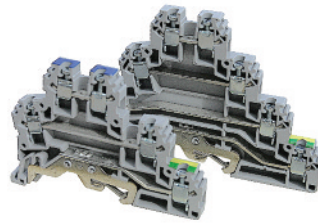
* Add required voltage to part number as suffix; i.e. CTL2.5U(L)/24 for 24V DC

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.

Double & Triple Level Blocks with Ground



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 hole for cross connect.		
Approvals						
Wire Range	24-12 AWG	0.25-4 mm	24-12 AWG	24-12 AWG	0.25-4 mm	24-12 AWG
Voltage Rating	300 V	500 V	300 V	300 V	440 V	600 V
Current Rating	24 A	24 A	24 A	25 A	24 A	24 A
Torque	4.5 lb-in	0.4 Nm	4.5 lb-in	4.5 lb-in	0.4 Nm	4.5 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 pages 90-91	 			 		
End Stop for ordering information refer to page 92 	CA202	50		CA202	50	
	CA702	50		CA702	50	
	CA802	50		CA802	50	
Internal Jumper 	2 pole	CA627/2 100		2 pole	CA627/2 100	
	3 pole	CA627/3 50		3 pole	CA627/3 50	
	4 pole	CA627/4 50		4 pole	CA627/4 50	
	10 pole	CA627/10 10		10 pole	CA627/10 10	
Current Bars 	2 pole	CA703/1 100		2 pole	CA703/1 100	
	3 pole	CA704/1 100		3 pole	CA704/1 100	
	4 pole	CA705/1 100		4 pole	CA705/1 100	
	10 pole	CA732/10 100		10 pole	CA732/10 100	
	10 pole (breakable)	CA732/10-A 100		10 pole (breakable)	CA732/10-A 100	
	100 pole	CA732/100 10		100 pole	CA732/100 10	
Shorting Sleeve & Screw 	CA611/S/Q	100		CA611/S/Q	100	
External Jumper 	2 pole	CA715/2 100		2 pole	CA715/2 100	
	3 pole	CA715/3 100		3 pole	CA715/3 100	
	4 pole	CA715/4 100		4 pole	CA715/4 100	
	10 pole	CA715/10 50		10 pole	CA715/10 50	
Marking Tags 	MT2G	100		MT2G	100	

Ground Blocks

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

They offer:

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

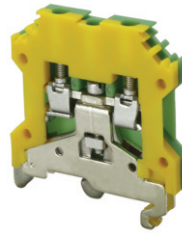
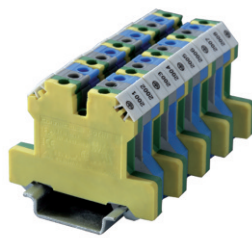
Ground blocks clamp mechanically onto the DIN Rail by tightening the center mounting screw, making a reliable electrical connection between the cage clamp terminals and the DIN Rail. The rail serves as a busbar and automatically distributes ground potential to all other ground terminals on the same rail.

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

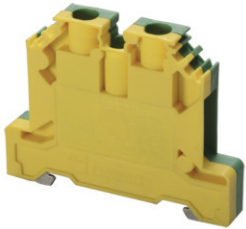
They are supplied with a standard green/yellow housing for easy identification and accept standard marking tags.

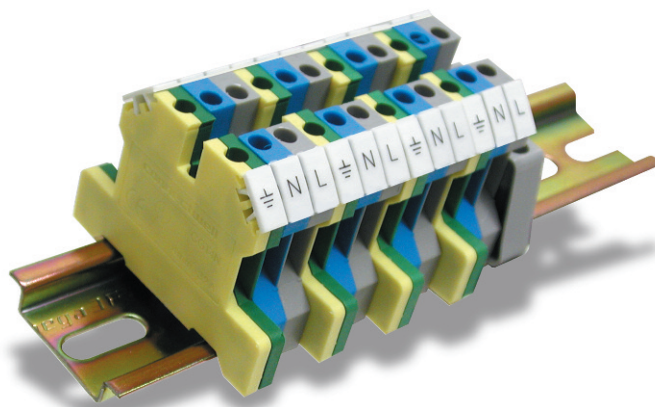
CGT4U and CGT35U can be mounted on both DIN 32mm and DIN 35mm rails.

CGT4N, CGT6N, CGT10N 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).



	CGT4U			CGT4N		
Terminal Width	6 mm			6 mm		
Height x Length	48 x 43 mm			45.4 x 54.2 mm		
Stripping Length	8 mm			8 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 screw clamps			2 screw clamps		
Approvals	  			  		
Wire Range	22-10 AWG	0.2-4 sq.mm	22-10 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG
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	CGT4U		50	CGT4N		50
DIN Rail for ordering information refer to pages 90-91						
End Plate 	EPCGT4U		50			
Marking Tags (MT Type) 	MT6		100	MT6		100

CGT6N	CGT10N	CGT16N	CGT35U
			
8 mm	10 mm	12 mm	16 mm
47 x 54.5 mm	50 x 45 mm	47 x 43 mm	61.5 x 58 mm
9 mm	11 mm	12 mm	15 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
2 screw clamps	2 screw clamps	2 screw clamps	2 screw clamps
  	 	 	  
22-8 AWG 0.2-6 sq.mm 22-8 AWG	0.2-10 sq.mm 16-6 AWG	0.2-16 sq.mm 20-4 AWG	8-2 AWG 2.5-35 sq.mm 8-2 AWG
14 lb-in 0.8 Nm 14 lb-in	1.2 Nm 14 lb-in	1.2 Nm 14 lb-in	25 lb-in 2.5 Nm 25 lb-in
    	    	   	     
Cat. No. Std. Pk.	Cat. No. Std. Pk.	Cat. No. Std. Pk.	Cat. No. Std. Pk.
CGT6N 50	CGT10N 50	CGT16N 50	CGT35U 20
			
MT8 100	MT10 100	MT12 100	MT15 100



Assembly for single phase
3 wire circuits.

Fuse Blocks, 5 x 20 and 5 x 25 mm

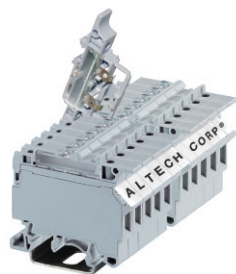
Altech fuse terminals are also available with light indication - CF4U(L). A specially designed built-in circuit gives light indication in the event of fuse blow out. Thus, fault in a circuit can be easily located. No polarity is required.

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 see pages 100-101.

* Add required voltage to part number as a suffix. i.e. CF4U(L)/6-60 V AC/DC.



Terminal Width	8 mm
Height x Length	57.6 x 57 mm
Stripping Length	9.5 mm
Insulation Material	Polyamide 6.6
Type of Connection	2 screw clamps
LED Voltage	6-60 V AC/DC 90-240 V AC/DC
Size of Fuse Used Type of Fuse Used	Ø5x20, Ø5x25 mm Glass
Approvals	
Wire Range	22-10 AWG
Voltage Rating	600 V
Current Rating	10 A
Torque	7 lb-in
Other Approvals	

Terminal Block

DIN Rail
for ordering information
refer to pages 90-91

End Stop
for ordering information
refer to page 92

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 (on terminal)
(on Lever)

CF4U†

NEW

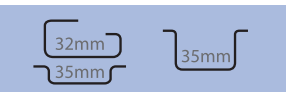
No End Plate Required.

8 mm
57.6 x 57 mm
9.5 mm
Polyamide 6.6
2 screw clamps
Ø5x20, Ø5x25 mm Glass
22-10 AWG
600 V
10 A
7 lb-in

RoHS
CE

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

CF4U 100



CA702 50
CA802 50

CA711/2	100
CA711/3	50
CA711/4	50
CA711/10	20

MT8 100
MT8 100

CF4U(L)†*

NEW

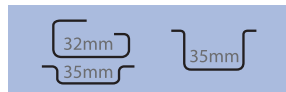
No Polarity Required.

8 mm
57.6 x 57 mm
9.5 mm
Polyamide 6.6
2 screw clamps
CF4U(L)/6-60V CF4U(L)/90-240V
Ø5x20, Ø5x25 mm Glass
22-10 AWG
600 V
10 A
7 lb-in

RoHS
CE

Cat. No.	Std. Pk.
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CF4U(L)* 50

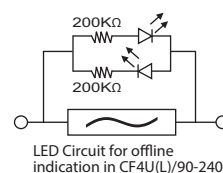
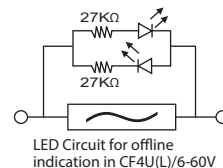


CA702 50
CA802 50

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

MT8 100
MT8 100

CF4U(L) Only



COLOR BLOCKS
(other than standard grey)

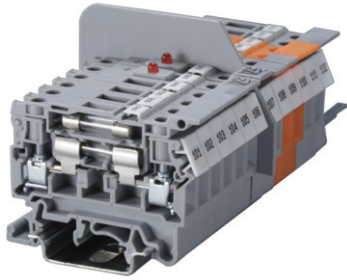
When ordering please add color suffix to Cat. No.

Example for color Red: **Cat.No./R**

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability:

Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W



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.

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 100-101.

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

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

Terminal Width	
Height x Length	
Stripping Length	
Insulation Material	
Type of Connection	
LED Voltage	
Type of Fuse Used	
Approvals	
Wire Range	
Voltage Rating	
Current Rating	Top Level
Torque	
Other Approvals	

Terminal Block

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

DIN Rail
for ordering information
refer to pages 90-91

End Stop for ordering information refer to page 92	
--	--

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	
-------------	---------------------------------------	--

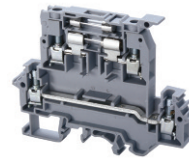
Shorting Sleeve & Screw	
-------------------------	--

External Jumper	2 pole 3 pole 4 pole 10 pole	
-----------------	---------------------------------------	--

Marking Tags	(on terminal) (on lever)	
--------------	-----------------------------	--

Fuse Blocks, 5 x 20 and 5 x 25 mm

DDFL4U



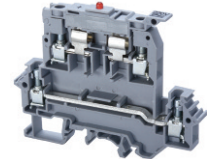
† Fuse not included.

8 mm
66 x 88 mm
9.5 mm
Polyamide 6.6
4 screw clamps & 1 tapped hole for cross connection

Ø5x20, Ø5x25 mm

Cat. No.	Std. Pk.
DDFL4U	20
EPDDFL4U	20
CA702	50
CA802	50
CA202	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)*



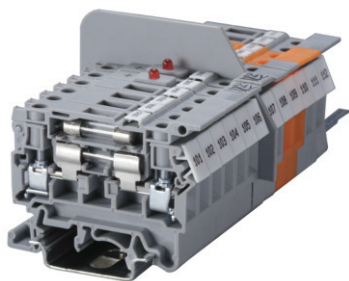
† Fuse not included.

8 mm
66 x 88 mm
9.5 mm
Polyamide 6.6
4 screw clamps & 1 tapped hole for cross connection
24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC/DC, 440V AC

Ø5x20, Ø5x25 mm

Cat. No.	Std. Pk.
DDFL4U(E)*	20
EPDDFL4U	20
CA702	50
CA802	50
CA202	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

Fuse Blocks, 5 x 20 and 5 x 25 mm



DDFL4ULR is a modified version of the DDFL4U terminal where two equipotential connection points are available on both ends of the terminal.

DDFL4U(E)LR* is similar to the DDFL4ULR, but has a built in circuit that gives light indication in the event of a blown fuse.

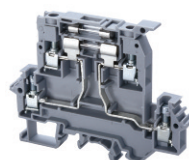
Important:

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 100-101.

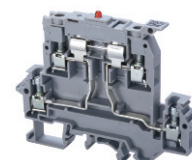
* Add required voltage to part number as suffix, i.e.
DDFL4U(E)LR/24 for 24V AC/DC

DDFL4ULR



† Fuse not included.

DDFL4U(E)LR*



† Fuse not included.

Terminal Width	8 mm	8 mm
Height x Length	66 x 88 mm	66 x 88 mm
Stripping Length	9.5 mm	9.5 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection	4 screw clamps & 1 tapped hole for cross connection	4 screw clamps & 1 tapped hole for cross connection
LED Voltage		24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC
Type of Fuse Used	Ø5x20, Ø5x25 mm	Ø5x20, Ø5x25 mm
Approvals		
Wire Range	22-10 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

End Plate



DIN Rail
for ordering information
refer to pages 90-91

End Stop
for ordering information
refer to page 92



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	



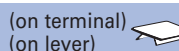
Shorting Sleeve & Screw



External Jumper	2 pole	
	3 pole	
	4 pole	
	10 pole	



Marking Tags



Cat. No. Std. Pk.

DDFL4ULR

EPDDFL4U



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

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

MT8	100
MT2	100

Cat. No. Std. Pk.

DDFL4U(E)LR*

EPDDFL4U



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

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

MT8	100
MT2	100

COLOR BLOCKS

(other than standard grey)

When ordering please add color suffix to Cat. No.

Example for color Red: Cat.No./R

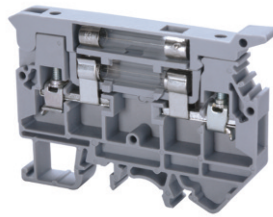
Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability:

Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

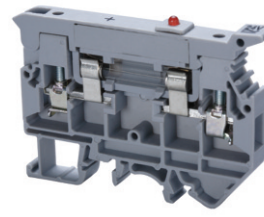
CAFL4U(L) is equipped with a LED for blown fuse indication. CAFL4U(N) is equipped with a neon bulb for same application.

CAFL4U



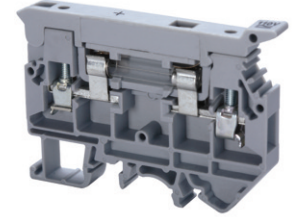
† Fuse not included.

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/Neon 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	0.2-4 sq.mm	22-10 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG
Voltage Rating	600 V	1000 V	600 V	600 V	1000 V	600 V	600 V	1000 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
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 pages 90-91

End Stop
for ordering information
refer to page 92



External Jumper
2 pole
3 pole
4 pole
10 pole

Marking Tags 

Cat. No. Std. Pk.

CAFL4U 25

EPCAFL4U 50



CA702 50
CA802 50

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

MT9 100

Cat. No. Std. Pk.

CAFL4U(L)* 25

EPCAFL4U 50



CA702 50
CA802 50

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

MT9 100

Cat. No. Std. Pk.

CAFL4U(N) 25

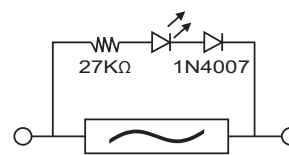
EPCAFL4U 50



CA702 50
CA802 50

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

MT9 100



LED Circuit for offline
indication in CAFL4UL24V

Fuse Holders, 10 x 38 mm and CC Type

The main characteristics of fuse disconnectors are:

- UL recognized (10x38mm)
- UL listed (CC Type)
- Compliance with IEC 60947-1, IEC 60947-3
- 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:

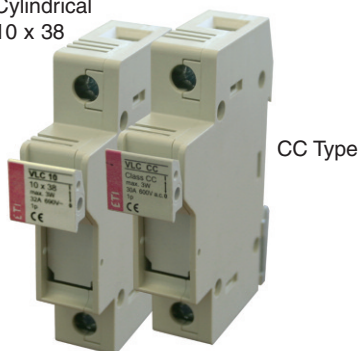
L (LED) (10x38mm only) with built in LED diode which blinks after the fuse-link operates. The internal circuit resistance is 2M, thus the total dissipation is minimal. The indicator is capable of operating in conditions of open circuit with minimum capacitance be-tween connection cables. Operating voltage range spans from 50V to 690V AC and DC.

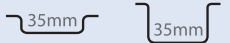
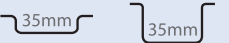
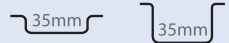
I (NEON) (10x38mm only) with neon lamp, which is constantly lit after the fuse-link operates. The internal circuit resistance is 570k, thus it is necessary that the circuit be closed in order for the indicator to function. The operational voltage range is 100 V to 750 V AC.

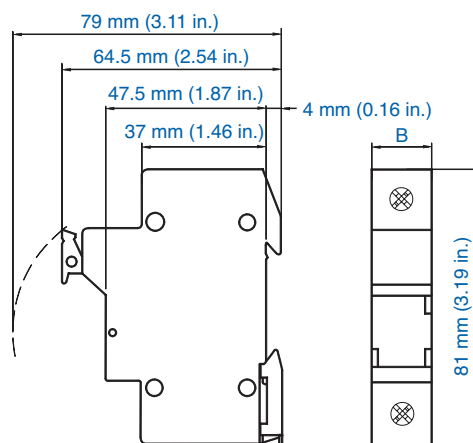
* Fuses are sold separately Altech, see pages 100-101.

**1000V UL PV rating pending.

Cylindrical
10 x 38



	1 POLE	2 POLE	3 POLE
			
Terminal Width (B)	17.5 mm	35 mm	52.5 mm
Height x Length	81 x 64.5 mm	81 x 64.5 mm	81 x 64.5 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
Wire Range	1.5-25sq.mm / 24-4 AWG	1.5-25sq.mm / 24-4 AWG	1.5-25sq.mm / 24-4 AWG
IEC Rating	690 V / 32A	690 V / 32A	690 V / 32A
cUL _{us}  Rating	600 V AC/DC / 30A	600 V AC/DC / 30A	600 V AC/DC / 30A
Torque	2-2.5 Nm / 31 lb-in	2-2.5 Nm / 31 lb-in	2-2.5 Nm / 31 lb-in
Cylindrical 10x38			
Indicator:			
None	Cat. No. CB1038-1 Std. Pk. 1	Cat. No. CB1038-2 Std. Pk. 1	Cat. No. CB1038-3 Std. Pk. 1
LED	Cat. No. CB1038-1/L Std. Pk. 1	Cat. No. CB1038-2/L Std. Pk. 1	Cat. No. CB1038-3/L Std. Pk. 1
Neon	Cat. No. CB1038-1/I Std. Pk. 1	Cat. No. CB1038-2/I Std. Pk. 1	Cat. No. CB1038-3/I Std. Pk. 1
Type of Fuse Used	Ø10 x 38 mm	Ø10 x 38 mm	Ø10 x 38 mm
Approvals**	  E212627	  E212627	  E212627
CC Type Holder			
	Cat. No. CB10CC-1 Std. Pk. 1	Cat. No. CB10CC-2 Std. Pk. 1	Cat. No. CB10CC-3 Std. Pk. 1
Type of Fuse Used	CC Type	CC Type	CC Type
Approvals	  E212627	  E212627	  E212627
DIN Rail for ordering information refer to pages 90-91			
End Stop for ordering information refer to page 92	CA702 50 CA802 50	CA702 50 CA802 50	CA702 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

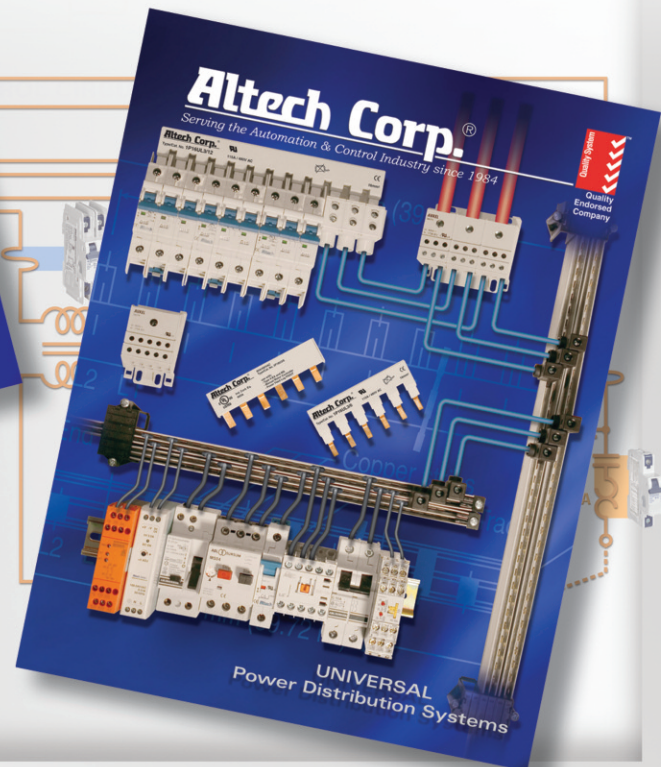
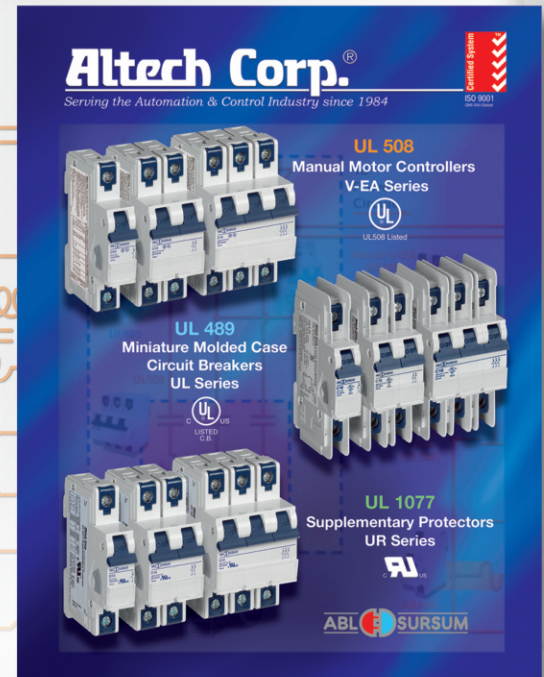
With Altech's large line of UL Circuit Protection Devices you get the right product for your application.

POWER CIRCUIT

CONTROL CIRCUIT

POWER CIRCUIT

- V-EA Series - UL508 Listed Manual Motor Controllers
"Suitable as Motor Disconnect"
- UL(AC), DL(DC) Series - UL489 Miniature Molded Case Circuit Breakers
- L Series - AC or DC Miniature Molded Case Circuit Breakers
- UR Series - UL1077 Recognized Supplementary Protector
- R Series - UL1077 Recognized Supplementary Protector
- UL489 Busbar Systems
- UL508 and UL1077 Busbar Systems
- MA Series - Three Phase Adjustable Trip Miniature Circuit Breakers/
Manual Motor Controllers
- MS Series - Three Phase Adjustable Trip Economy
Manual Motor Controllers
- RP Series - RCCB Earth Leakage Circuit Breakers
- TR11, TR20 and TR30 Series - UL1077 Recognized Supplementary
Protector/ Circuit Breaker for Equipment
- TD / TS Series - UL489 Listed Molded Case Circuit Breakers



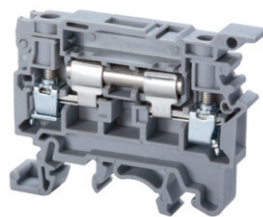
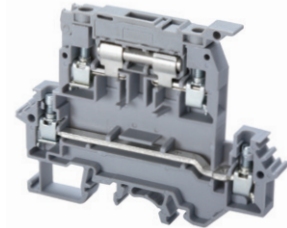
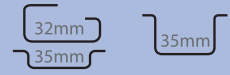
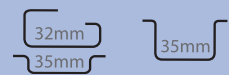
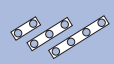
Visit altechcorp.com/breakers

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.

- CSDL4U - hinged disconnection and testing terminal, incorporates a connecting link in place of the fuse link.
- DDDL4U - double level disconnect terminal with hinged disconnect in upper level.

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

		CSDL4U			DDDL4U			
								
Terminal Width		8 mm			8 mm			
Height x Length		43 x 58 mm			66 x 88 mm			
Stripping Length		9.5 mm			9.5 mm			
Insulation Material		Polyamide 6.6			Polyamide 6.6			
Type of Connection		2 screw clamps			4 screw clamps & 1 tapped hole for cross connection			
Approvals								
Wire Range		22-10 AWG	0.2-4 sq.mm	22-10 AWG	22-10 AWG	0.2-4 sq.mm	22-10 AWG	
Voltage Rating		600 V	1000 V	600 V	600 V	800 V	600 V	
Current Rating		14 A	10 A	14 A	14 / 35 A	10 A	6.3 / 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		CSDL4U		100	DDDL4U		20	
End Plate 		EPCSFL4U		50	EPDDFL4U		20	
Isolation Partition 		PPCSFL4U		50				
DIN Rail for ordering information refer to pages 90-91								
End Stop for ordering information refer to page 92 		CA702 CA802		50 50	CA702 CA802		50 50	
Internal Jumper 					CA729/2 CA729/3 CA729/4 CA729/10			100 50 50 10
Insulated Internal Jumper 					CA749/2 CA749/3 CA749/4 CA749/10			100 50 50 10
Current Bar 					CA703/6 CA704/6 CA705/6 CA737/10			100 100 100 100
Shorting Sleeve & Screw					CA707/S/Q/3			100
External Jumper 		2 pole 3 pole 4 pole 10 pole		CA711/2 CA711/3 CA711/4 CA711/10	100 100 50 25	CA711/2 CA711/3 CA711/4 CA711/10		100 100 50 25
Marking Tags (on terminal) (on lever) 		MT8 MT2		100 100	MT8 MT2		100 100	

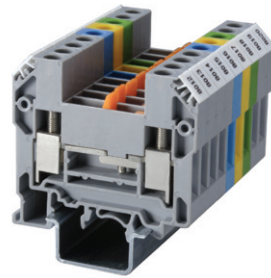
Disconnect and test terminals are an ideal choice for measuring control and regulatory circuits. The terminals provide a clear functional advantage for devices having utility instruments and associated transformers.

CKT4U and CKT4U/4 - disconnection is achieved by lifting the knife contact lever.

CKT4U/4 Terminal has standard screws on the upper level clamps and socket screws on the lower level clamps.

Specially designed socket head screws act as test/monitoring points in the CKT4U.

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



Terminal Width

6 mm

Height x Length

46 x 46.3 mm

Stripping Length

9 mm

Insulation Material

Polyamide 6.6

Type of Connection

2 screw clamps

Approvals



Wire Range

22-10 AWG 0.2-4 sq.mm 22-10 AWG

Voltage Rating

600 V 800 V 600 V

Current Rating

16 A 28 A 30 A

Torque

7 lb-in 0.5 Nm 7 lb-in

Other Approvals



Cat. No. Std. Pk.

Terminal Block

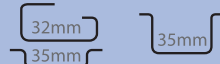
CKT4U 50

End Plate



EPCKT4U 50

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering information
refer to page 92



CA702 50
CA802 50

External
Jumper



2 pole
3 pole
4 pole
10 pole

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

Marking Tags

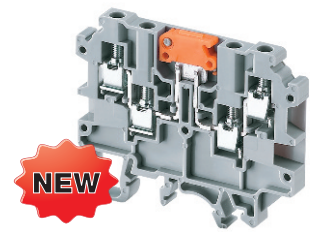
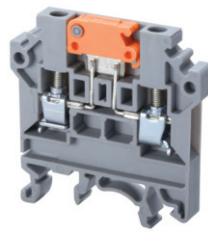


MT6 100

Disconnect and Test Terminal Blocks

CKT4U

CKT4U/4



6 mm

46 x 46.3 mm

9 mm

Polyamide 6.6

2 screw clamps



22-10 AWG 0.2-4 sq.mm 22-10 AWG

600 V 800 V 600 V

20 A 20 A 20 A

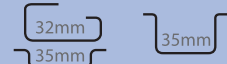
7 lb-in 0.5 Nm 7 lb-in



Cat. No. Std. Pk.

CKT4U/4 50

EPCKT4U/4 50



CA702 50
CA802 50

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

MT6 100

* Insulated External shorting links can be used only in the upper level clamping unit of the Terminal Block.

Disconnect and Test Terminal Blocks

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 when it is mandatory to keep the secondary side shorted at any point while taking current measurements. Specially designed socket head screws act as test/monitoring points.

CDTTU + CDTTU-SH - disconnection is achieved by means of a slide link operated with a screw driver.

In the CDS6U separate testing points facilitate insertion of test probes. Disconnection is achieved by means of a slide link operated with a Screw Driver.

In the CDS6U/TS, the insulated test point screw system (TPSLS) is integrated.

CDS6U/FT Terminal Block is a standard feed through Terminal Block.

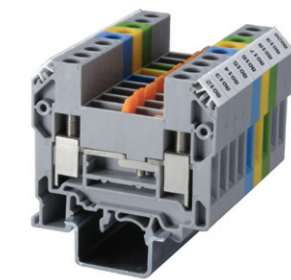
In the CDS6U/SC Disconnect & Test Terminal Block, an additional safety spring is provided underneath the screw clamp. These Terminal Blocks are preferred for connections that involve safety requirements of the Electric Supply Industry (ESI) standards, British CEEB regulations and NTPC applications.

The SLS2 and SLS4 slide shorting link can be used in combination with either the supplied screw or the TPSLS Test point screw system.

Lock out cap LCCDS can be used to lock the center shorting screw, to prevent accidental opening of circuits.

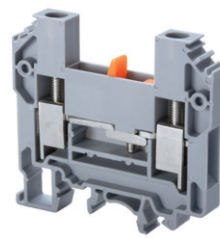
Specially designed socket head screws act as test/monitoring points in CDTTU and CDTTU-SH.

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



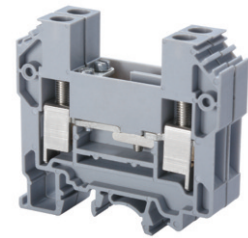
Terminal Width

CDTTU



8 mm

CDTTU-SH



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

160 V

300 V

Current Rating

41 A

41 A

41 A

25 A

10 A

25 A

Torque

14 lb-in

1.2 Nm

14 lb-in

14 lb-in

1.2 Nm

14 lb-in

Other Approvals



Terminal Block

CDTTU

50

CDTTU-SH

50

End Plate



EPCDTTU

50

EPCDTTU

50

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering information
refer to page 92



CA702

50

CA702

50

CA802

50

CA802

50

Internal
Jumper

2 pole
3 pole
4 pole
5 pole
10 pole



Slide Shorting
Link

2 pole
4 pole



Insulated Test
Socket

Gray
Red
Yellow
Blue
Black



Switchable Link
Assembly



Lock Out Cap

External
Jumper

2 pole
3 pole
4 pole
10 pole



CA710/2

100

CA710/2

100

CA710/3

50

CA710/3

50

CA710/4

50

CA710/4

50

CA710/10

20

CA710/10

20

Marking Tags

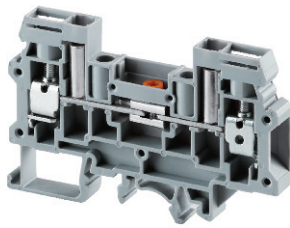


MT8

100

MT8

100

CDS6U


8 mm

50 x 82 mm

10 mm

Polyamide 6.6

2 screw clamps



22-8 AWG

0.2-6 sq.mm

22-8 AWG

600 V

800 V

600 V

45 A

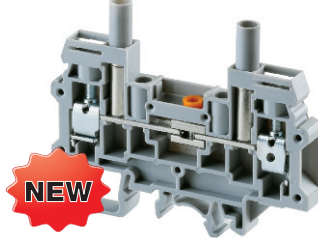
41 A

45 A

14 lb-in

0.8 Nm

14 lb-in


CDS6U/TS

NEW

8 mm

50 x 82 mm

10 mm

Polyamide 6.6

2 screw clamps



22-8 AWG

0.2-6 sq.mm

22-8 AWG

600 V

630 V

600 V

45 A

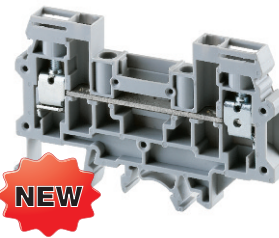
41 A

45 A

14 lb-in

0.8 Nm

14 lb-in


CDS6U/FT

NEW

6 mm

50 x 82 mm

10 mm

Polyamide 6.6

2 screw clamps



22-8 AWG

0.2-6 sq.mm

22-8 AWG

600 V

1000 V

600 V

45 A

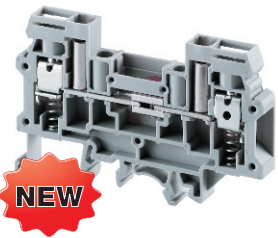
41 A

45 A

14 lb-in

0.8 Nm

14 lb-in


CDS6U/SC

NEW

6 mm

50 x 82 mm

10 mm

Polyamide 6.6

2 screw clamps



22-8 AWG

0.2-6 sq.mm

22-8 AWG

600 V

800 V

600 V

45 A

41 A

45 A

14 lb-in

0.8 Nm

14 lb-in



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

CDS6U 50

EPCDS6U 50


CA702 50
CA802 50

CA723/2 100
CA723/3 50
CA723/4 50
CA723/5 50
CA723/10 10

SLS2 50
SLS4 25

TPSLS 100
TPSLSR 100
TPSLSY 100
TPSLSBU 100
TPSLSBK 100

SWCDS 50

LCCDS 50

MT8 100

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

CDS6U/TS 50

EPCDS6U 50


CA702 50
CA802 5

CA723/2 100
CA723/3 50
CA723/4 50
CA723/5 50
CA723/10 10

SLS2 50
SLS4 25

TPSLSR 100
TPSLSY 100
TPSLSBU 100
TPSLSBK 100

SWCDS 50

LCCDS 50

MT8 100

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

CDS6U/FT 50

EPCDS6U 50


CA702 50
CA802 5

CA723/2 100
CA723/3 50
CA723/4 50
CA723/5 50
CA723/10 10

SLS2 50
SLS4 25

TPSLS 100
TPSLSR 100
TPSLSY 100
TPSLSBU 100
TPSLSBK 100

SWCDS 50

LCCDS 50

MT8 100

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

CDS6U/SC 50

EPCDS6U 50


CA702 50
CA802 5

CA723/2 100
CA723/3 50
CA723/4 50
CA723/5 50
CA723/10 10

SLS2 50
SLS4 25

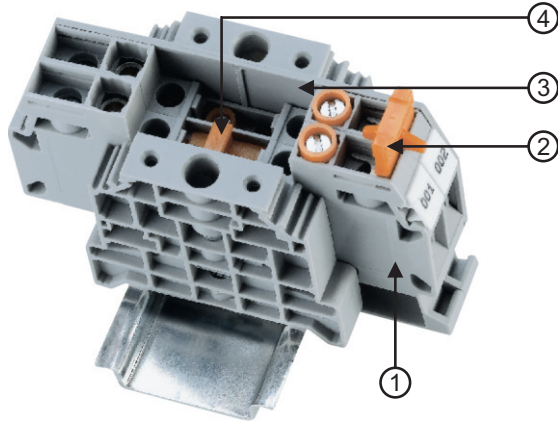
TPSLS 100
TPSLSR 100
TPSLSY 100
TPSLSBU 100
TPSLSBK 100

SWCDS 50

LCCDS 50

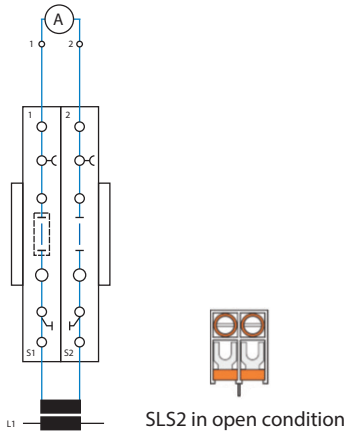
MT8 100

Usage of CDS6U range of products in Simple Current Transformer Test Circuit

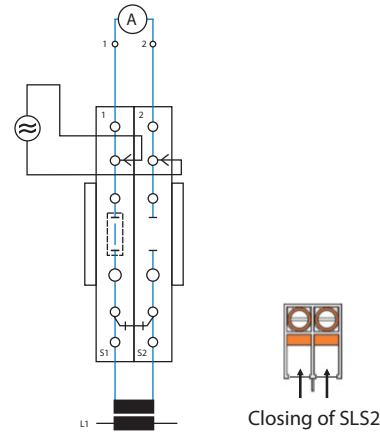


No.	Cat. No.	Qty.
1	CDS6U	2
2	SLS2	1
3	EPCDS6U	1
4	LCCDS	1

Operating status



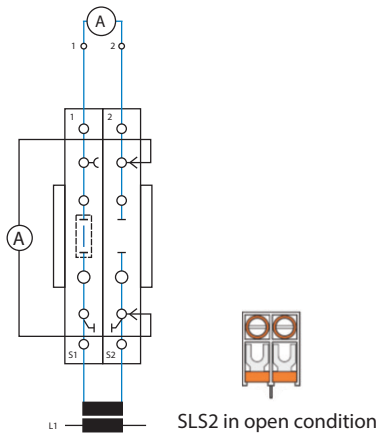
Meter test for L1 through external power supply



Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2.
- 3) Connect external power supply to test sockets of terminals 1 and 2.

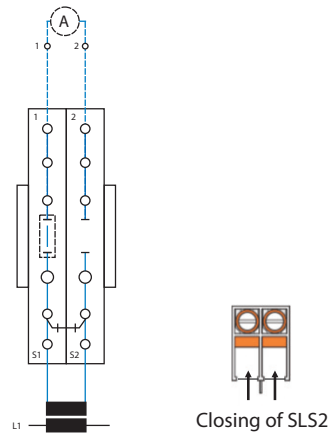
Comparison measurement for L1



Sequence for test :

- 1) Remove SLS2 screw from terminal 2.
- 2) Connect ammeter to test sockets of terminal 2.
- 3) Open disconnect slide link of terminal 2.

Changing the meter for L1

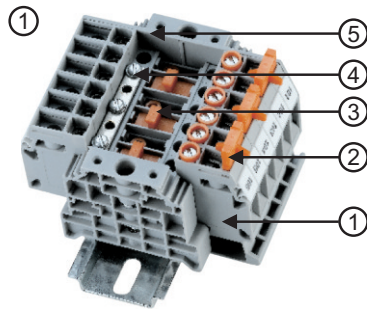


Sequence for test :

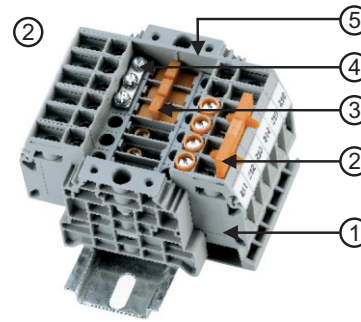
- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2.
- 3) Disconnect meter for L1 at terminals 1 and 2.

Usage of CDS6U range of products in 3 Phase Current Transformer Test Set ①

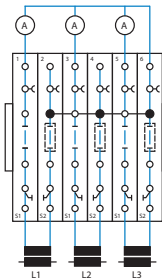
Usage of CDS6U range of products 3 Phase Linked Current Transformer Test Set ②



No.	Cat. No.	Qty.
1	CDS6U	6
2	SLS2	3
3	LCCDS	3
4	CA723/5	1
5	EPCDS6U	1



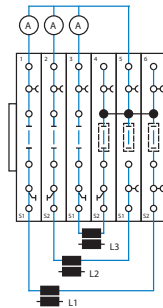
No.	Cat. No.	Qty.
1	CDS6U	6
2	SLS4	1
3	LCCDS	3
4	CA723/3	1
5	EPCDS6U	1



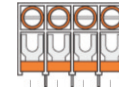
Operating status
(with internal distribution
of the k-point)



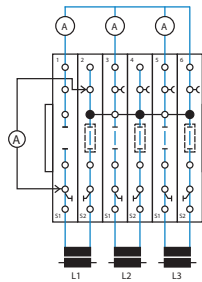
SLS2 in open condition



Operating status



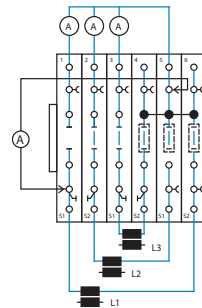
SLS4 in open condition



Comparison measurement for L1

Sequence for test :

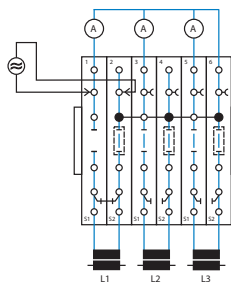
- 1) Remove SLS2 screw from terminal 1.
- 2) Connect ammeter to test sockets of terminal 1 and 2.
- 3) Open disconnect slide link of terminal 1.



Comparison measurement for L1

Sequence for test :

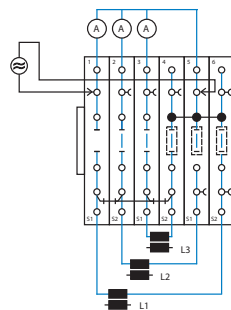
- 1) Remove SLS4 screw from terminal 1.
- 2) Connect ammeter to test sockets of terminal 1 and 5.
- 3) Open disconnect slide link of terminal 1.



Meter test for L1 through
external power supply

Sequence for test :

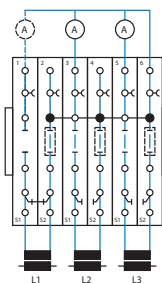
- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 1.
- 3) Connect external power supply to test sockets of terminals 1 and 2.



Meter test for L1 through
external power supply

Sequence for test :

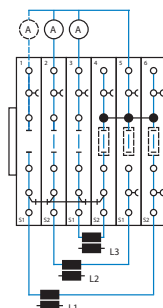
- 1) Close short circuit slide SLS4 of terminals 1, 2, 3 and 4.
- 2) Open disconnect slide link of terminal 1.
- 3) Connect external power supply to test sockets of terminals 1 and 5.



Changing the meter for L1

Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 1.
- 3) Disconnect meter for L1.

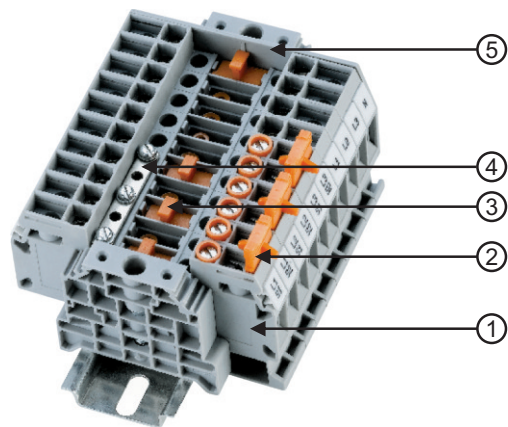


Changing the meter for L1

Sequence for test :

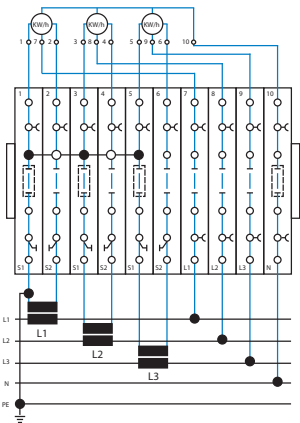
- 1) Close short circuit slide SLS4 of terminals 1, 2, 3 and 4.
- 2) Open disconnect slide link of terminal 1.
- 3) Disconnect meter for L1.

Usage of CDS6U range of products in 3 Phase Power Meter (KWh Meter) Test Set



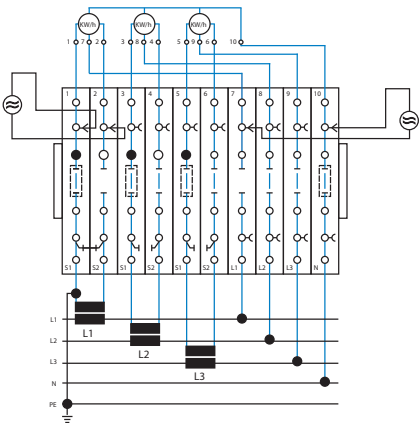
No.	Cat. No.	Qty.
1	CDS6U	10
2	SLS2	3
3	LCCDS	4
4	CA723/5	1
5	EPCDS6U	1

Operating status
(with internal distribution of the k-point)



SLS2 in open condition

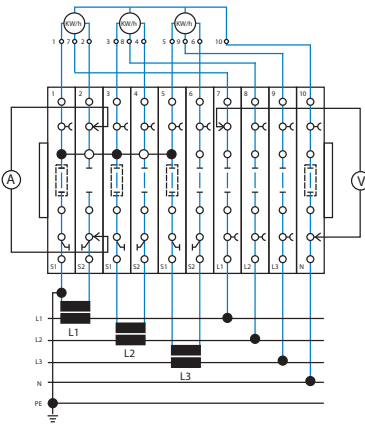
Meter test for L1 through external power supply



Closing of SLS2

- Sequence for test :
- 1) Close short circuit slide SLS2 of terminals 1 and 2.
 - 2) Open disconnect slide link of terminal 2 and 7.
 - 3) Connect external power supply to test sockets of terminals 1, 2 and 7, 10.

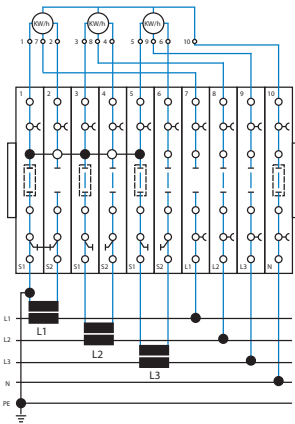
Comparison measurement for L1



SLS2 in open condition

- Sequence for test :
- 1) Remove SLS2 screw from terminal 2.
 - 2) Connect ammeter to test sockets of terminal 2.
 - 3) Open disconnect slide link of terminal 2.
 - 4) Connect voltmeter to test sockets of terminals 7 and 10.

Changing the meter for L1



Closing of SLS2

- Sequence for test :
- 1) Close short circuit slide SLS2 of terminals 1 and 2.
 - 2) Open disconnect slide link of terminal 2 and 7.
 - 3) Disconnect meter for L1 at terminals 1, 2 and 7.



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

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

Customization available!

- Polycarbonate/Polystyrene enclosures will last indefinitely without corrosion
- Non-metallic enclosures withstand bumps and blows, they will not dent
- Surface finish does not deteriorate and requires no special painting or refinishing
- Resist weak and strong acids and alkali
- Non-metallic enclosures weigh significantly less than metal, simplifying handling
- Enclosures can be easily customized

TK Series



- 16 different enclosures with up to 3 different cover heights
- Polystyrene or Polycarbonate
- IP66 (NEMA 4X)
- 50 x 52 x 35 to 360 x 254 x 165 mm

TG Series



- 16 sizes available
- ABS or Polycarbonate
- IP67 (NEMA TYPE 4X)
- Recessed Cover
- 84 x 82 x 55 to 302 x 232 x 110 mm

AL Series



- IP65 protection, which is necessary for industry approval.
- Aluminum
- High degree of resistance to chemicals and other damaging materials.
- 50 x 45 x 30 to 330 x 230 x 110 mm

Abox Series



- Two to four high grade self tapping screws secure the lid non-flammable
- non-flammable Polystyrene
- Tongue and groove sealing system with polyurethane gasket
- 80 x 80 x 52 to 250 x 250 x 115 mm

Abox-i Series



- 6 different sizes
- For harsh environments
- Glass reinforced Polycarbonate
- Impervious to sea air and water
- 80 x 80 x 52 to 250 x 250 x 115 mm

AKL Series



- Low and high covers in gray or tinted transparent
- Enclosures are combinable
- IP65 protection
- 150 x 300 x 132 to 600 x 300 x 210 mm

EK Series



- UL listed
- IP65 protection
- Dust and moisture proof
- Polycarbonate
- 130 x 94 x 80 to 361 x 254 x 110 mm

AK Series



- IEC protection
- Up to IP65 protection
- Dust and moisture proof
- Polystyrene or Polycarbonate
- 100 x 150 x 96 to 900 x 300 x 142 mm

HP Series



- Junction boxes
- IP55 protection
- Dust and moisture proof
- Semi rigid polypropylene
- 75 x 75 x 42 to 199 x 149 x 70 mm

PB Series



- Universal fit for nearly all 22.5mm diameter push buttons
- UV, weather and impact resistant
- IP66 (NEMA 4X) capable
- 94 x 94 x 81 to 180 x 94 x 81 mm

Accessories



- Liquid Tight Strain Relief connectors and connector assemblies
- Mounting plates
- DIN rail support racks
- Key locksets, Hinge kits and more

Technical Information

CHART 1 International Protection (IP) Ratings to IEC 529

Protection Rating	First Digit - Degree of Protection Against Solids	Second Digit - Degree of Protection Against Liquids					
		Drip	Vertical Drip	Spray	Power Spray	High Pressure Spray	Water Immersion
IP 00	0						
IP 10	1						
IP 20	2						
IP 30	3						
IP 40	4						
IP 50	5						
IP 60	6						
IP 70	7						
IP 80	8						
IP 90	9						

Distribution Block

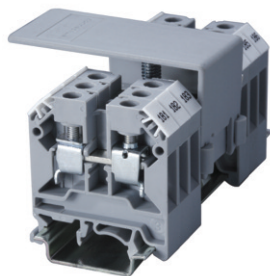
Altech CDB Compact Distribution Blocks are an ideal choice for a simplified distribution system. A lug/bolt secures the incoming cable and the screw clamp design of the block provides the outgoing connections. These provide easy connect points and ensure perfect continuity for distribution. A protective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

Application Information:

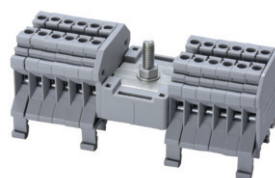
Sum of outgoing currents on either side of center should not exceed half the maximum permissible incoming current.

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

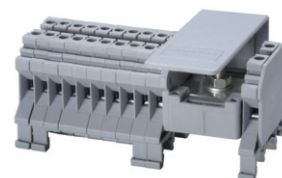
Connection for higher outgoing currents should be done through the terminal nearest to the incoming connection.



CDB4/x*



CDB4/x(1)**



Terminal Width		6 mm			6 mm		
Height & Width		45 x 43 mm			45 x 43 mm		
Stripping Length		8 mm			8 mm		
Insulation Material		Polyamide 6.6			Polyamide 6.6		
Type of Connection	Input Output	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 Output	10-8 AWG 22-12 AWG	6-16 sq.mm 0.2-4 sq.mm	10-8 AWG 22-10 AWG	10-8 AWG 22-12 AWG	6-16 sq.mm 0.5-4 sq.mm	10-8 AWG 22-10 AWG
Voltage Rating		600 V	800 V	600 V	600 V	800 V	600 V
Current Rating	Input Max. Individual Output	50 A 25 A	64 A 32 A	50 A 35 A	50 A 25 A	64 A 64 A	50 A 35 A
Torque	Input Output	26 lb-in 7 lb-in	2.0 Nm 0.5 Nm	26 lb-in 7 lb-in	26 lb-in 7 lb-in	2.0 Nm 0.5 Nm	26 lb-in 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 44	4	10	CDB4/2(1)	45 x 43 x 52	6	10
CDB4/2	45 x 43 x 56	8	10	CDB4/3(1)	45 x 43 x 58	8	10
CDB4/3	45 x 43 x 68	12	10	CDB4/4(1)	45 x 43 x 64	10	10
CDB4/4	45 x 43 x 80	16	10	CDB4/5(1)	45 x 43 x 70	12	10
CDB4/5	45 x 43 x 96	20	10	CDB4/6(1)	45 x 43 x 76	14	10
CDB4/6	45 x 43 x 108	24	10	CDB4/10(1)	45 x 43 x 100	22	10
				CDB4/11(1)	45 x 43 x 106	24	10

Cat. No. Std. Pk.

Cat. No. Std. Pk.

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering information
refer to page 92



CA702 50
CA802 50

CA702 50
CA802 50

Marking Tags



MT6 100

MT6 100

Warning Label

COLOR BLOCKS
 (other than standard grey)
When ordering please add color suffix to Cat. No.
 Example for color Red: **Cat.No./R**

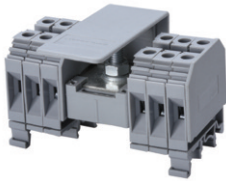
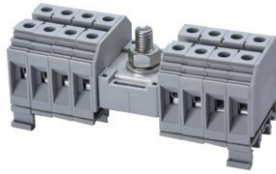
Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability.

Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

* NOTE:
x signifies how many blocks are on each side of input.

** NOTE:
x signifies number of blocks on left side of input. 1 block is on right side.

CDB6/x*

CDB10/x*

CDB25/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

600 V

100 A
50 A

35 lb-in
14 lb-in

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

600 V

130 A
65 A

53 lb-in
14 lb-in

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

600 V

150 A
75 A

53 lb-in
22 lb-in

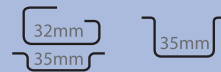

Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.	Cat. No.	H x W x L (mm)	Outputs	Std. Pk.
CDB6/2	43 x 47 x 64	8	10	CDB10/2	43 x 47 x 72	8	10	CDB25/2	56 x 49 x 88	8	10
CDB6/3	43 x 47 x 80	12	10	CDB10/3	43 x 47 x 92	12	10	CDB25/3	56 x 49 x 112	12	10
CDB6/4	43 x 47 x 96	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**
SWL6 **100**
MT10 **100**
MT12 **100**

* NOTE:
x signifies how many blocks are on each
side of input.

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	 60947-7-1		 C E220514 US		 60947-7-1							
	 C E220514 US		 60947-7-1		 C E220514 US							
Wire Range	0.2-4 sq.mm		1.5-6 sq.mm		1.5-10 sq.mm							
	22-10 AWG		22-8 AWG		22-6 AWG							
Voltage Rating	1000 V		1000 V		1000 V							
	600 V		600 V		600 V							
Current Rating	32 A		41 A		57 A							
	35 A		50 A		65 A							
Torque	0.5 Nm		0.8 Nm		1.2 Nm							
	7 lb-in		14 lb-in		14 lb-in							
Other Approvals												
Terminal Block	Cat. No.	H x W x L	Outputs	Std. Pk.	Cat. No.	H x W x L	Outputs	Std. Pk.	Cat. No.	H x W x L	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 pages 90-91												
End Stop for ordering information refer to page 92	CA702	50	CA702	50	CA702	50						
	CA802	50	CA802	50	CA802	50						
Marking Tags	MT6	100	MT8	100	MT10	100						
Warning Label	SWL6		100									

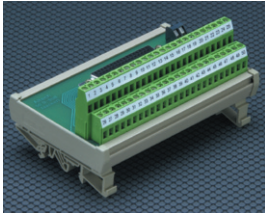
COLOR BLOCKS
 (other than standard grey)
 When ordering please add color suffix to Cat. No.
 Example for color Red: **Cat.No./R**

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability.

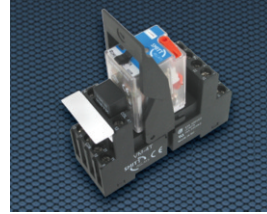
Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

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



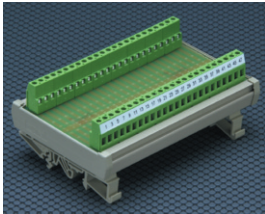
CONNECTOR TO TERMINAL BLOCK MODULES

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



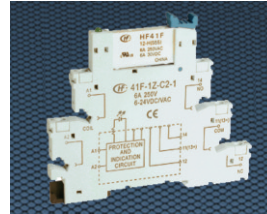
GENERAL PURPOSE/ INTERFACE RELAYS

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.



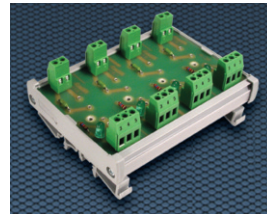
PLUGGABLE SLIMLINE RELAYS

Need Text



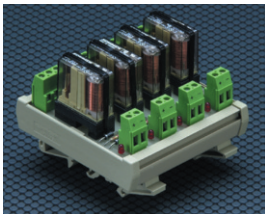
MONITORING PROTECTION MODULES

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



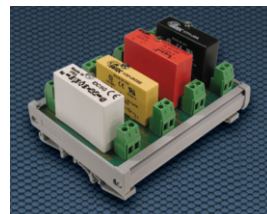
I/O MODULE CARRIERS

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.



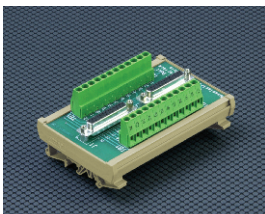
SAFETY RELAY MODULES

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.



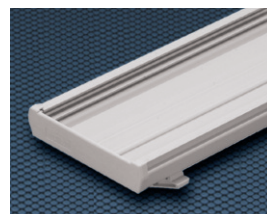
POWER SUPPLIES

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

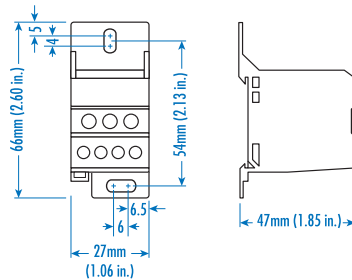


Part Number:	DB16*		38049		DB35*		38041	
Approvals								
Current Rating	80A	80A	80A	80A	115A	125A	115A	125A
Voltage Rating	600V AC	1000V AC	600V AC	690V AC	600V AC	1000V AC	600V AC	690V AC
SCCR	10kA		100kA		10kA		100kA	
No. of Inputs	1	1	1	1	1	1	1	1
Wire Range	8-4 AWG	6-16mm ²	8-4 AWG	6-16mm ²	8-2 AWG	10-35mm ²	8-2 AWG	10-35mm ²
Torque	14lb.-in.	1.2Nm	14lb.-in.	1.5Nm	40lb.-in.	6Nm	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	2.5-10mm ²	14-6 AWG	2.5-16mm ²
Torque	14lb.-in.	12Nm	14lb.-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	8-4 AWG	6-16mm ²		
Torque	7lb.-in.	7Nm	7.2lb.-in.	0.8Nm	14lb.-in.	3Nm		
Screw Type	Pozi Drive 2		Pozi Drive 2		Pozi Drive 2		Pozi Drive 2	

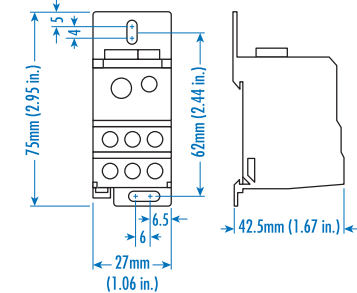
Optional Marking Tag
 ** (for DB16 and DB35)

Dimensions:

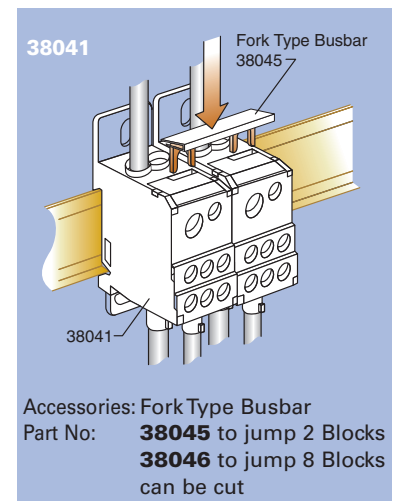
MT2**



MT2**



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



38076


CE

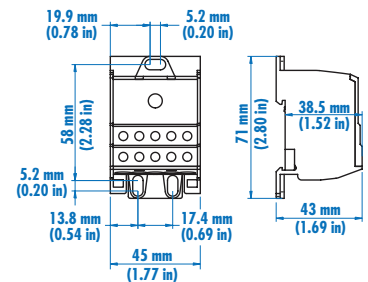
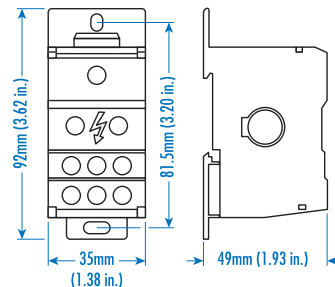
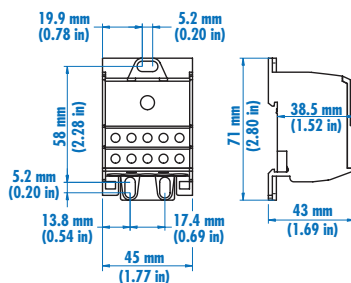
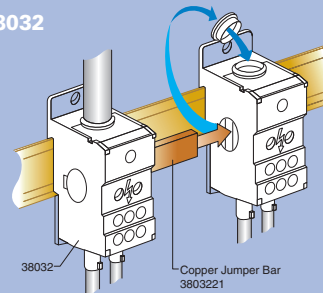
38032


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

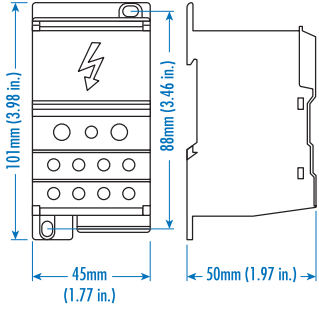
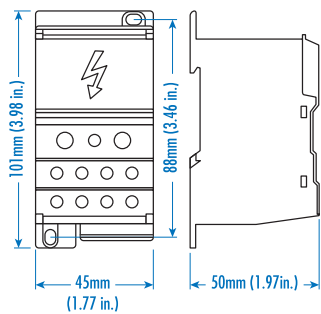
One Phase Power Distribution Block

- 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



Part Number:	38020		38019	
Approvals	 UL File E98082	 C US	 UL File E98082	 C US
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

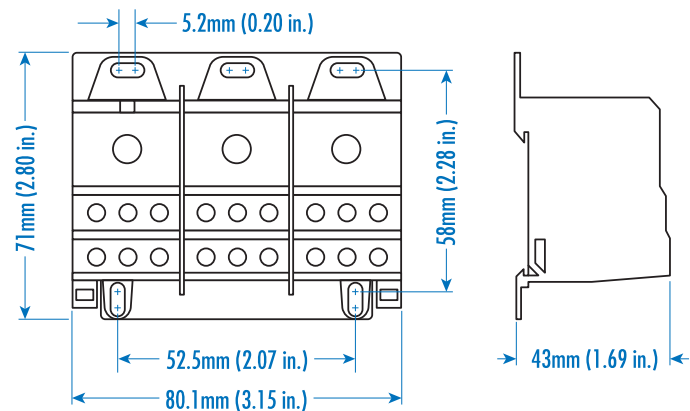
38075

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	

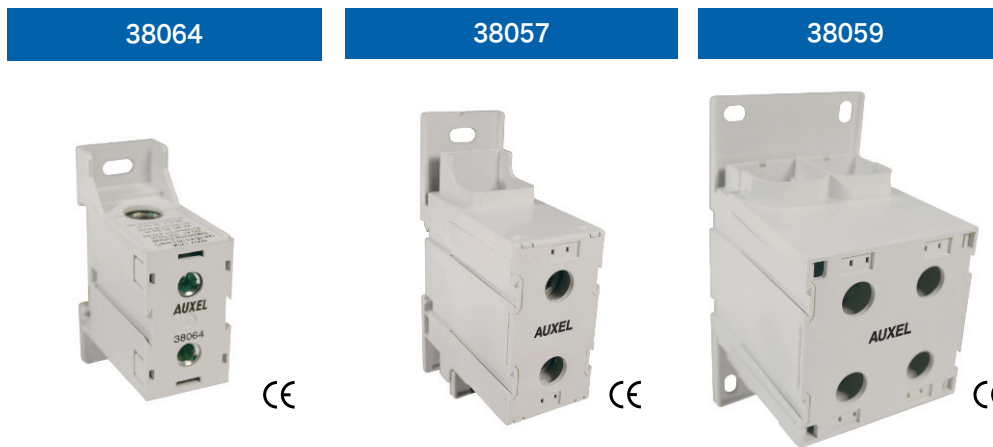
Dimensions:



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:

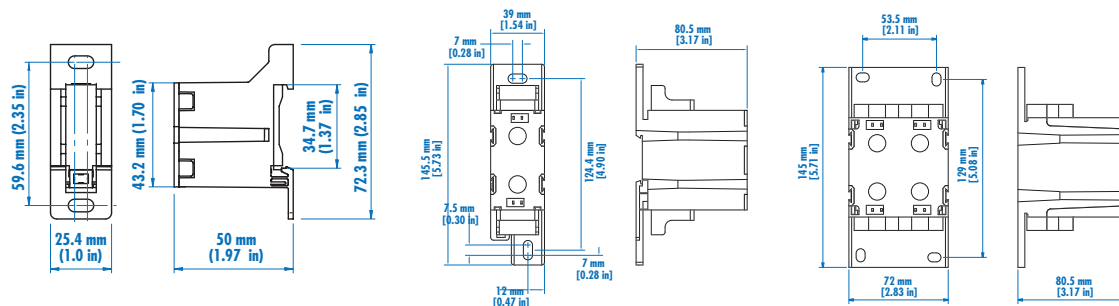
38064

38057

38059

Approvals	 		 		 	
Current Rating	175A	175A	335A	400A	840A	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:



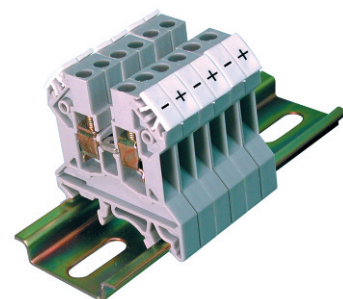
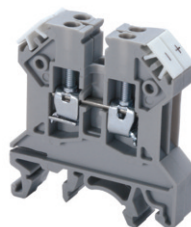
Altech thermocouple terminal blocks are designed for use in temperature measuring circuits.

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	8 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 

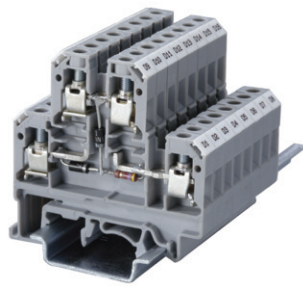
Marking Tags
(MT Type) 

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
included	



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 pages 90-91

End Stop
for ordering information
refer to page 92

Internal Jumper

Current Bars

Shorting Sleeve & Screw

Marking Tags

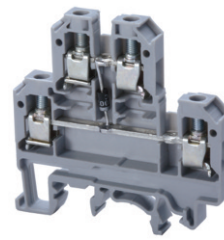
Diode Specifications

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

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

Cat. No. Std. Pk.

CDL4U(E)D1
CDL4U(E)D2

100

100

EPCDL4U 50



CA702
CA802

50

50

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

100

100

100

10

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

100

100

100

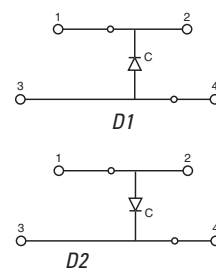
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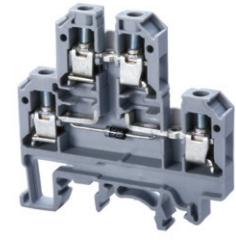
10

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

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

Cat. No. Std. Pk.

CDL4U(E)D3 100

EPCDL4U 50



CA702
CA802

50

50

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

100

100

100

10

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

100

100

100

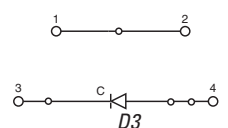
100

100

10

CA607/S/Q 100

MT2 100



COLOR BLOCKS
(other than standard grey)

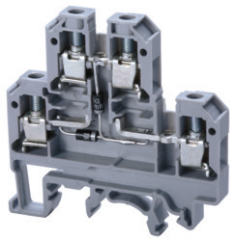
When ordering please add
color suffix to Cat. No.

Example for color Red: **Cat.No./R**

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

Consult Altech for availability.

CDL4U(E)DD1/DD2



Diode circuit for lamp testing

6 mm

54 x 55.5 mm

300 V~

9 mm

Polyamide 6.6

 C US 60947-7-1	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



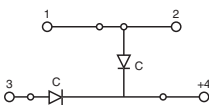
CA702	50
CA802	50

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

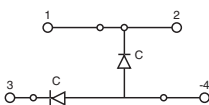
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA607/S/Q	100
-----------	-----

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

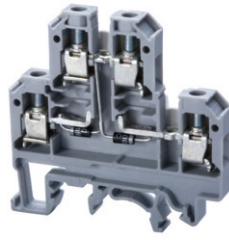


DD1



DD2

CDL4U(E)DD3/DD4



Diode circuit for lamp testing

6 mm

54 x 55.5 mm

300 V~

9 mm

Polyamide 6.6

 C US 60947-7-1	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



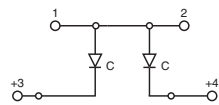
CA702	50
CA802	50

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

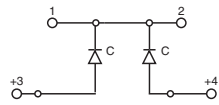
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/10-A	100
CA732/100	10

CA607/S/Q	100
-----------	-----

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

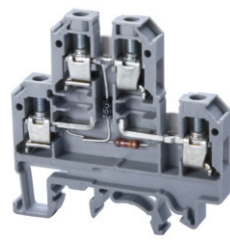


DD3



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

 C US 60947-7-1	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



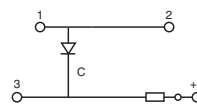
CA702	50
CA802	50

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

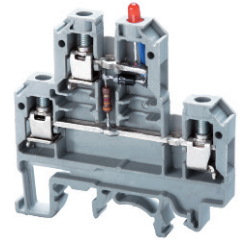
CA607/S/Q	100
-----------	-----

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

 C US 60947-7-1	 60947-7-1	 C US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



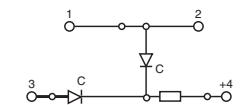
CA702	50
CA802	50

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

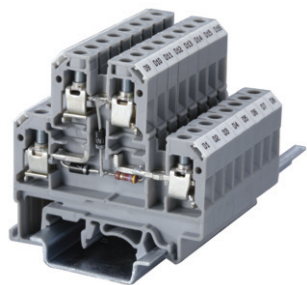
CA607/S/Q	100
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MT2	100
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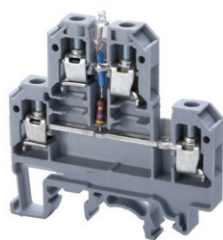


DD5

Indicator/ Diode Circuit

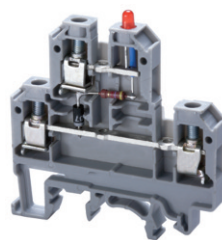


CDL4U(E)N1



AC voltage indicator with neon lamp

CDL4U(E)LD5*



AC voltage indicator with LED

CDL4U(E)LD3*



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 0.2-4 sq.mm 22-10 AWG

22-10 AWG 0.2-4 sq.mm 22-10 AWG

22-10 AWG 0.2-4 sq.mm 22-10 AWG

Voltage Rating

300 V 500 V 600 V

300 V 500 V 600 V

300 V 500 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

CDL4U(E)N1 50

CDL4U(E)LD5* 50

CDL4U(E)LD3* 50

End Plate



EPCDL4U 50

EPCDL4U 50

EPCDL4U 50

DIN Rail
for ordering information
refer to pages 90-91



End Stop
for ordering information
refer to page 92



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

CA607/S/Q 100

CA607/S/Q 100

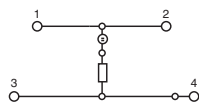
Marking Tags



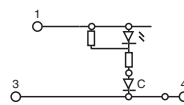
MT2 100

MT2 100

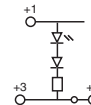
MT2 100



N1

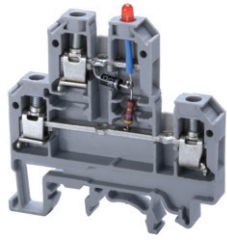


LD5



LD3

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

CDL4U(E)LD4*

AC/ DC voltage indicator with LED

6 mm

54 x 55.5 mm

24V~, 48 V~

9 mm

Polyamide 6.6

 US C 60947-7-1	 60947-7-1	 US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



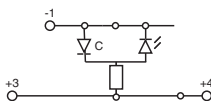
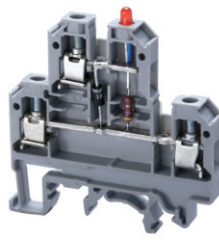
CA702	50
CA802	50

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

 US C 60947-7-1	 60947-7-1	 US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



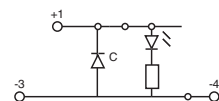
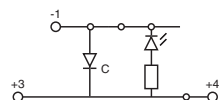
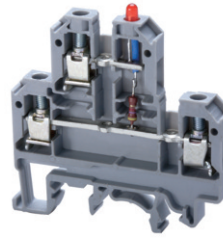
CA702	50
CA802	50

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

 US C 60947-7-1	 60947-7-1	 US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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



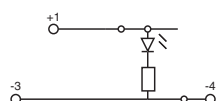
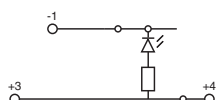
CA702	50
CA802	50

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

 US C 60947-7-1	 60947-7-1	 US E220514
22-10 AWG	0.2-4 sq.mm	22-10 AWG
300 V	500 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

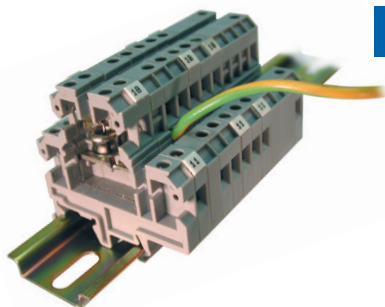


* Add required voltage to part number as a suffix i.e. CDL4U(E)LD5/110 is for 110V.

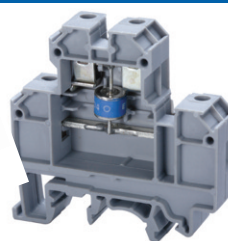
Surge Suppressor

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.

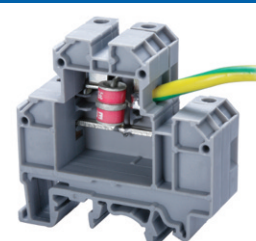


CDL4U(E)LA



Lightning Arrestor

CDL4U(E)3LA



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, 230, 600, 1000 V DC

90, 230, 350, 600 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 80-81



End Stop
for ordering information
refer to page 92



CA702
CA802

50
50

CA702
CA802

50
50

Marking Tags

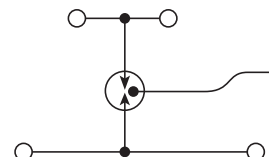
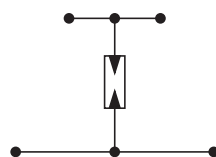


MT2

100

MT2

100



COLOR BLOCKS

(other than standard grey)

When ordering please add
color suffix to Cat. No.

Example for color Red: Cat.No./R

Color	Ordering Suffix
Red	R
Yellow	Y
Blue	BU
Green	G

Consult Altech for availability.

Orange	O
Beige	BG
Dark Brown	DB
Black	BL
White	W

CDL4U(E)MOV¹

MOV

12 mm

54 x 55.5 mm

9 mm

Polyamide 6.6

4 screw clamps

22-10 AWG

30, 60, 75, 130, 275,
460, 510, 625, 680 V AC

–

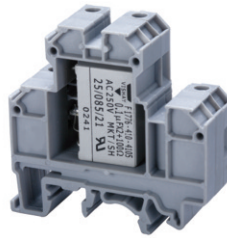
2kA-6.5kA (8/20µs)

<25ns

–

100-20,000 pf

For protection from voltage
surge, spikes

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 / 630 V DC

20A

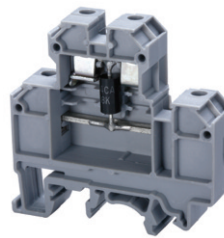
–

–

–

0.1 µf or 0.22 µf

For protection of DC solenoid valves
and contactors

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

–

–

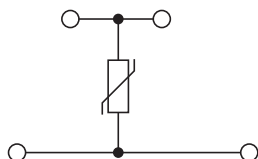
For fine protection of data interfaces, sen-
sors, contacts, etc.

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

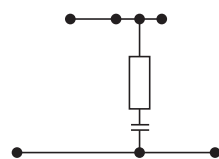


Cat. No.	Std. Pk.
CDL4U(E)RC0.1	20
CDL4U(E)RC0.22	20

EPCDL4U 50


CA702 50
CA802 50

MT2 100

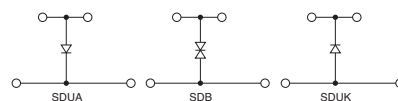


Cat. No.	Std. Pk.
CDL4U(E)SDUA15V	20
CDL4U(E)SDUA24V	20
CDL4U(E)SDUA48V	20
CDL4U(E)SDUK15V	20
CDL4U(E)SDUK24V	20
CDL4U(E)SDUK48V	20
CDL4U(E)SDB15V	20
CDL4U(E)SDB24V	20
CDL4U(E)SDB48V	20
CDL4U(E)SDB160V	20

EPCDL4U 50


CA702 50
CA802 50

MT2 100



Note:

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

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

A - Anode

K - Cathode

¹ A fuse block is recommended to protect MOV terminals by disconnecting the faulted varistor. See pages 21-25 for fuse blocks.

** Phase to Phase / Phase to ground.

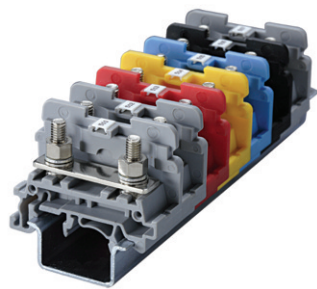
Stud Type Block

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

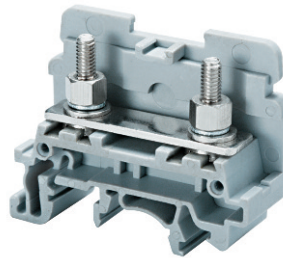
The wire is crimped to a ring / fork type lug and is screwed on to the flat current bar in terminal.

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 marking tags.

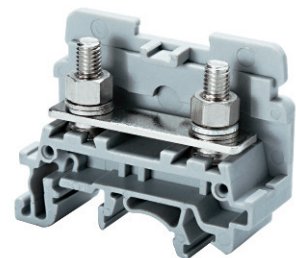
It is recommended to use protective covers in transparent plastic because assemblies of these terminals blocks are not fully covered.



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	1000 V	600 V	600 V	1000 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	25 lb-in	2.0 Nm	25 lb-in
Other Approvals						

Terminal Block

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

DIN Rail
for ordering information
refer to pages 90-91

End Stop for ordering information refer to page 92	
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Protective Cover for covering	2 Terminal 3 Terminal
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Protective Cover in Length	100 mm 200 mm 300 mm
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Insulated Removable Jumpers	2 way 3 way 4 way
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Insulated Permanent Jumpers	2 way 3 way 4 way
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Marking Tags	
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Cat. No.	Std. Pk.
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CSTSN4U	100
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EPCSTSN5U	50
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Cat. No.	Std. Pk.
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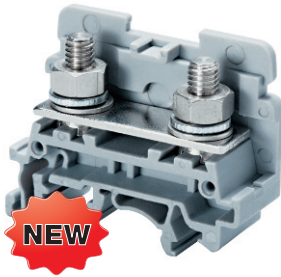
CSTSN5U	100
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EPCSTSN5U	50
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COLOR BLOCKS (other than standard grey)		
When ordering please add color suffix to Cat. No.		
Example for color Red: Cat.No./R		
Color	Ordering Suffix	
Red	R	
Yellow	Y	
Blue	BU	
Green	G	
Consult Altech for availability.		
Orange	O	
Beige	BG	
Dark Brown	DB	
Black	BL	
White	W	

CSTSN6U



17 mm

39.5 x 50 mm

12 mm

Polyamide 6.6

2 screw connection
for M5 ring/fork lugs



22-2 AWG

1.5-35 sq.mm

22-2 AWG

600 V

1000 V

600 V

125 A

125 A

125 A

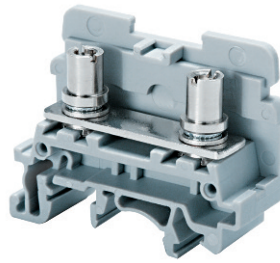
25 lb-in

3.0 Nm

25 lb-in



CSTSB4U



17 mm

39.5 x 50 mm

12 mm

Polyamide 6.6

2 screw connection
for M4 ring/fork lugs



22-6 AWG

1.5-10 sq.mm

22-6 AWG

600 V

1000 V

600 V

65 A

57 A

65 A

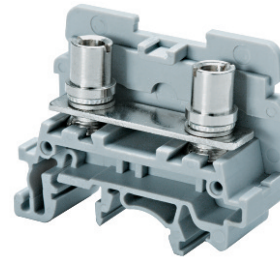
14 lb-in

1.2 Nm

14 lb-in



CSTSB5U



17 mm

39.5 x 50 mm

12 mm

Polyamide 6.6

2 screw connection
for M5 ring/fork lugs



22-4 AWG

1.5-16 sq.mm

22-4 AWG

600 V

1000 V

600 V

80 A

76 A

80 A

25 lb-in

2.0 Nm

25 lb-in



Cat. No.	Std. Pk.
CSTSN6U	100
EPCSTSN5U	50



CA702	50
CA802	50

CSTSPC1	100
CSTSPC1-1	100

CSTSPC1-2	10
CSTSPC1-3	10
CSTSPC1-4	10

CA514/1-2	100
CA514/1-3	50
CA514/1-4	50

CA514/3-2	100
CA514/3-3	50
CA514/3-4	50

MT2B4	100
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Cat. No.	Std. Pk.
CSTSB4U	100
EPCSTN5U	50



CA702	50
CA802	50

CSTSPC1	100
CSTSPC1-1	100

CSTSPC1-2	10
CSTSPC1-3	10
CSTSPC1-4	10

CA514/1-2	100
CA514/1-3	50
CA514/1-4	50

CA514/3-2	100
CA514/3-3	50
CA514/3-4	50

MT2B4	100
-------	-----

Cat. No.	Std. Pk.
CSTSB5U	100
EPCSTN5U	50



CA702	50
CA802	50

CSTSPC1	100
CSTSPC1-1	100

CSTSPC1-2	10
CSTSPC1-3	10
CSTSPC1-4	10

CA514/1-2	100
CA514/1-3	50
CA514/1-4	50

CA514/3-2	100
CA514/3-3	50
CA514/3-4	50

MT2B4	100
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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, save considerable time in wiring.

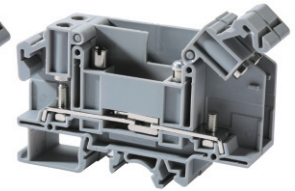
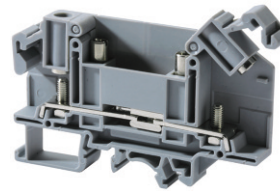
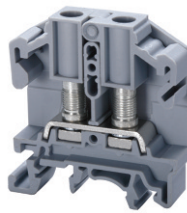
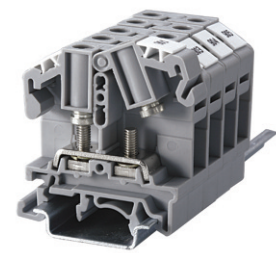
Two Lugs can be connected to the Terminal, without sacrificing the safety of the Terminal Block.

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.



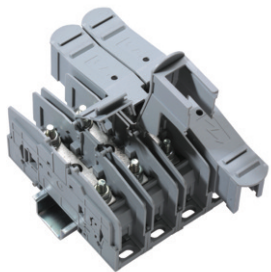
	STH4			STH4DT			STH4DTSH		
Terminal Width	11 mm			11 mm			22 mm		
Height x Length	50.5 x 46 mm			50.5 x 86 mm			50.5 x 86 mm		
Stripping Length	10 mm			10 mm			10 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6			Polyamide 6.6		
Type of Connection	2 stud flat connection			2 stud flat connection			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	1000 V	600 V	600 V	1000 V	600 V	600 V	1000 V	300 V
Current Rating	50 A	41 A	50 A	35 A	41 A	35 A	35 A	34 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 pages 90-91			35mm			35mm			35mm
End Stop for ordering info. refer to page 92	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	
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	
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	
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	
Marking Tags	MT10	100		MT10	100		MT10	100	

PTB series Terminal Blocks are preferred for applications 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 hold 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 tags.

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 can be used for installing marking tags on the Terminal Blocks without protective covers.



Terminal Width

Height x Length

Stripping Length

Insulation Material

Type of Connection

Approvals

Wire Range

Voltage Rating

Current Rating

Torque

Other Approvals

Terminal Block

DIN Rail
for ordering information
refer to pages 90-91

End Stop
for ordering information
refer to page 92



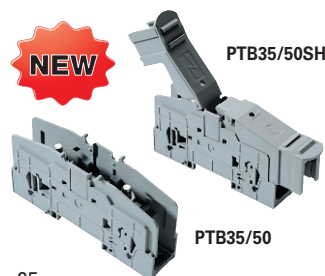
Bolt Size

Current Bars 2 pole
3 pole
4 pole

Marking Tags

Marking Tag Holder

PTB35/50 / PTB35/50SH



25 mm

73.6 x 169 mm

18 mm / M6

Polyamide 6.6

2 bolts for connection

 C US	 60947-7-1	 C US E220514
8-2 AWG	1.5-50 mm ²	8-2 AWG
600 V	1000 V	600 V
115 A	150 A	115 A
27 lb-in	3.0 Nm	27 lb-in

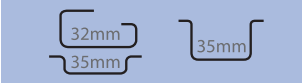


Cat. No.

Std. Pk.

PTB35/50
PTB35/50SH

10
10



CA102
CA202

50
50

M6

—

CA703/9
CA704/9
CA705/9

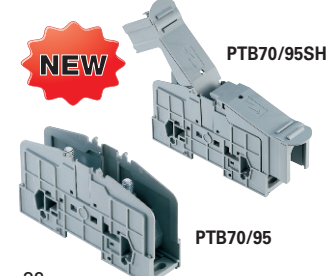
10
10
10

MT9

100

MHPTB35*

PTB70/95 / PTB70/95SH



32 mm

78 x 192 mm

18 mm / M6

Polyamide 6.6

2 bolts for connection

 C US	 60947-7-1	 C US E220514
8-4/0 AWG	1.5-95 mm ²	8-4/0 AWG
600 V	1000 V	600 V
230 A	232 A	230 A
87 lb-in	10.0 Nm	87 lb-in

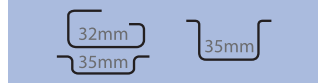


Cat. No.

Std. Pk.

PTB70/95
PTB70/95SH

10
10



CA102
CA202

50
50

M8

—

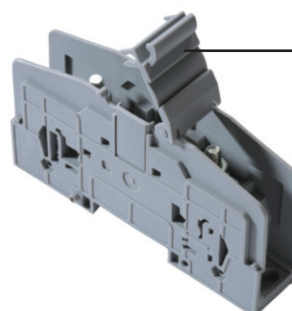
CA703/11
CA704/11
CA705/11

10
10
10

MT9

100

MHPTB70*



Marker Holder