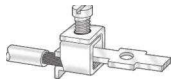


OVERVIEW

SCREW TERMINAL BLOCKS

INTRODUCTION

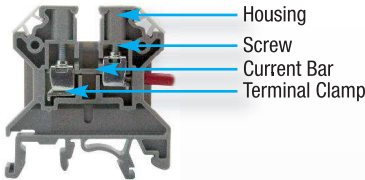
SCREW CLAMP CONNECTION TECHNOLOGY



- Maximum wiring efficiency and reliability
- Supplied with open clamps ready to accept wires
- No wire preparation necessary (with/ without ferrule)
- Vibration resistant/ Gas-tight connection
- For very larger wire sizes (up to 250 kcmil)
- Designed for most stringent requirements
- Simple connection with standard flat head screwdriver



MATERIAL SPECIFICATIONS



Current Carrying Metal *Corrosion free material*

- Clamp: zinc chromate passivated steel
- Screw: zinc chromate passivated steel
- Current Bar: nickel plated copper alloy / tin plated copper

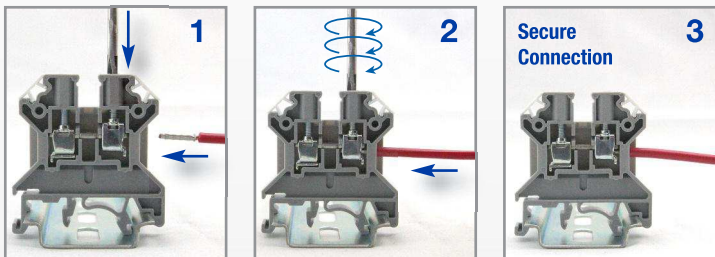
Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

Polyamide 66 Specifications

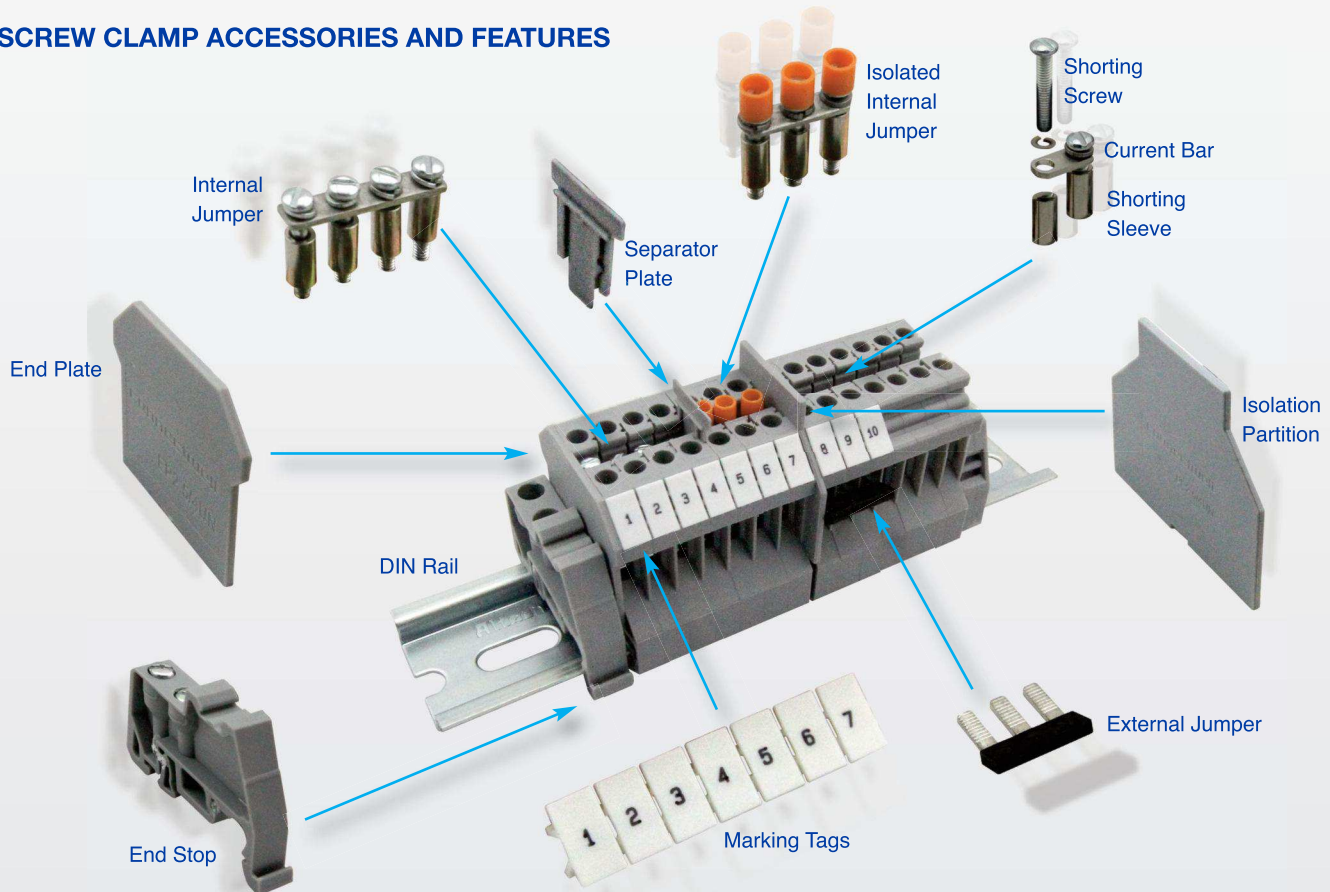
- Upper Temperature Limit: 105°C
- Lower Temperature Limit: -50°C
- Flammability UL94: V2/ V0
- Volume Resistivity: $10^{12} \Omega \text{ cm}$
- Surface Resistivity: $10^{10} \Omega$

INSTALLATION GUIDELINES



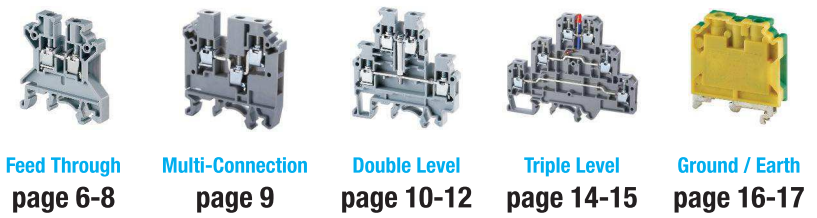
- 1 Insert Wire into open clamp
- 2 Tighten screw to specified torque
- 3 Remove Screwdriver, screw terminal is closed with locking feature for a reliable/ safe connection

SCREW CLAMP ACCESSORIES AND FEATURES



Feed Through Terminal Blocks

- Up to 240A
- Multi-Connection Terminals
- Double Level Terminal
- Triple Level Terminals
- Ground Blocks
- Wide range of accessories
- All standard colors



Feed Through page 6-8 **Multi-Connection** page 9 **Double Level** page 10-12 **Triple Level** page 14-15 **Ground / Earth** page 16-17

Fuse Terminal Blocks

- 1/4" x 1" Fuse Terminal Blocks
- 5x20mm/ 5x25mm Fuse Terminal Blocks
- Double level versions
- Component Carrier for flexible requirements
- 10x38, CC, J-Type Fuse Holder



5x20mm / 5x25mm CF4U / CF4SP page 18-19 **Double Lever** DDFL4U page 20-21 **1/4"x1"** CAFL4U page 22 **Component Carrier** CCC4U page 23 **Fuse Holder** page 24-25

Disconnect & Test Terminal Blocks

- Slider Style
- Blade/ Knife Style
- Lever Style
- Accessories and matching Feed Through terminals



Slider Style CDS6U page 26-27 **Blade Style** CKT4U page 28 **Blade Style** CKT4SP page 29 **Slider Style** CDTTU page 30 **Lever Style** CSDL4U page 31

Power Distribution Terminal Blocks

- Various I/O configurations
- Up to 150A
- Compact Hybrid Distribution Block



CDB Series page 32-33 **CMDB Series** page 34 **Hybrid CXDB Series** page 35 **Distribution/Grounding** page 36

Special Application Terminal Blocks

- Spring Loaded Terminals for high vibration applications
- 1000V High Voltage Terminals
- Thermocouple Terminals
- Tab Connection Terminals
- Electronic Components Terminals



1000V High Voltage CHV Series page 37 **Thermocouple** CTT2.5U Series page 38 **Tab Connection** CTC Series page 39 **Spring Loaded** USC Series page 36-37 **Electronic Components** page 42-47

Accessories

- Internal Jumpers (Uninsulated, Insulated)
- Endplates
- Partition/ Separator Plates
- Protective Covers
- End Stops



Jumpers page 48 **Endplates, Separators, End Stops, Covers, etc.** page 49

HIGHLIGHTS

FEATURES

- Altech CTS Series of Universal Screw Terminal Blocks featuring global standards
- Universal mounting foot for easy snap onto common DIN rail profiles
- Screw-type jumper system
- Current Ratings up to 240A

APPLICATIONS

- Ex & IECEx approvals for use in potentially explosive areas
- Control, Automation applications
- Power Distribution

Dimensions & Weight

	CTS2.5U-N	CTS4U-N	CTS6U
Width	5 mm	6 mm	8 mm
Length	43 mm	43 mm	43 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	46.2 mm 53.7 mm	47.8 mm 55.5 mm
Weight per piece	6.2 g	7.6 g	13.5 g

Technical Data/Ratings

Approvals						
Wire Size (solid / stranded)	22-12 AWG		22-10 AWG		22-8 AWG	
	0.2-2.5 mm ²		0.2-4 mm ²		0.5-6 mm ²	
Voltage Rating	600 V		600 V		600 V	
	1000V AC/DC		1000V AC/DC		1000V AC/DC	
Current Rating	25 A		35 A		50 A	
	24 A		32 A		41 A	
Torque	7 lb-in		7 lb-in		14 lb-in	
	0.4Nm		0.5Nm		0.8Nm	
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	8 mm	8 mm	9 mm
Screwdriver	Flat Head 0.5 x 3.0 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.8 x 4.0 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CTS2.5U-N	100	CTS4U-N	100	CTS6U	100
Red R	CTS2.5U-N/R	100	CTS4U-N/R	100	CTS6U/R	100
Blue BU	CTS2.5U-N/BU	100	CTS4U-N/BU	100	CTS6U/BU	100
Black BL	CTS2.5U-N/BL	100	CTS4U-N/BL	100	CTS6U/BL	100
Orange O	CTS2.5U-N/O	100	CTS4U-N/O	100	CTS6U/O	100
Green G	CTS2.5U-N/G	100	CTS4U-N/G	100	CTS6U/G	100
Yellow Y	CTS2.5U-N/Y	100	CTS4U-N/Y	100	CTS6U/Y	100
White W	CTS2.5U-N/W	100	CTS4U-N/W	100	CTS6U/W	100



Mounting Handle

Mounting handle is used for mounting 10 terminal blocks on a DIN rail, thus saving considerable time. Specially designed pins in the mounting handle grip the terminal blocks when pressed against entry.

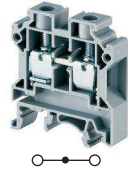
Cat. No.	Terminal Block	Std. Pk.
MH2.5	CTS2.5U-N	1
MH4	CTS4U-N	1



Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	
End Plate	EP2.5/4UN	50	EP2.5/4UN	50	EP6/10U	50	
Partition Plate	PP2.5/4UN	50	PP2.5/4UN	50	PP6/10U	50	
Separator Plate	SP2.5/4UN	100	SP2.5/4UN	100	SP6/10U	100	
DIN Rail	2511120	20	2511120	20	2511120	20	
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20	
	2511160	10	2511160	10	2511160	10	
End Stop	CA702	50	CA702	50	CA702	50	
	CA802	50	CA802	50	CA802	50	
	CA202	25	CA202	25	CA202	25	
Internal Jumper	2 pole	CA721/2	100	CA722/2	100	CA723/2	100
	3 pole	CA721/3	100	CA722/3	100	CA723/3	50
	4 pole	CA721/4	100	CA722/4	50	CA723/4	50
	10 pole	CA721/10	10	CA722/10	10	CA723/10	10
	100 pole	CA721/100	10	CA722/100	10	-	-
Insulated Internal Jumper	2 pole	CA741/2	100	CA742/2	100	CA743/2	100
	3 pole	CA741/3	100	CA742/3	100	CA743/3	50
	4 pole	CA741/4	100	CA742/4	100	CA743/4	50
	10 pole	CA741/10	10	CA742/10	10	CA743/10	10
	100 pole	CA741/100	10	CA742/100	10	-	-
External Jumper	2 pole	CA717/2	100	CA714/2	100	CA710/2	100
	3 pole	CA717/3	100	CA714/3	100	CA710/3	50
	4 pole	CA717/4	100	CA714/4	100	CA710/4	50
	10 pole	CA717/10	20	CA714/10	20	CA710/10	20
Test Socket		CA707/TS/01	100	CA707/TS/01	100	CA707/TS/05	100
Marking Tag		MT5	1 Pk. (100 tags)	MT6	1 Pk. (100 tags)	MT8	1 Pk. (100 tags)

CTS10U



CTS16U



CTS25UN



CTS35UN



Dimensions & Weight

Width	10 mm	12 mm	12 mm	16 mm
Length	43 mm	43 mm	49 mm	50.5 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	47.8 mm 55.5 mm	47.8 mm 55.5 mm	57.2 mm 64.7 mm
Weight per piece	16.5 g	25.5 g	35.5 g	50.5 g

Technical Data/Ratings

Approvals										
Wire Size (solid / stranded)	16-6 AWG	22-6 AWG	0.5-10 mm ²	20-4 AWG	22-6 AWG	0.2-16 mm ²	14-2 AWG	4-25 mm ²	12-1/0 AWG	4-35 mm ²
Voltage Rating	600 V	600 V	1000V AC/DC	600 V	600 V	1000V AC/DC	600 V	1000V AC/DC	600 V	1000V AC/DC
Current Rating	65 A	65 A	57 A	85 A	70 A	76 A	105 A	101 A	150 A	125 A
Torque	14 lb-in	14 lb-in	1.2Nm	14 lb-in	14 lb-in	1.2 Nm	30 lb-in	2.0Nm	50 lb-in	2.5 Nm
Insulation Material	Polyamide 66			Polyamide 66			Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	11 mm	12 mm	14 mm	15 mm
Screwdriver	Flat Head 0.8 x 4.0 mm	Flat Head 1.0 x 5.5 mm	Flat Head 1.0 x 5.5 mm	Flat Head 1.0 x 5.5 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CTS10U	100	CTS16U	50	CTS25UN	50	CTS35UN	50
Red R	CTS10U/R	100	CTS16U/R	50	CTS25UN/R	50	CTS35UN/R	50
Blue BU	CTS10U/BU	100	CTS16U/BU	50	CTS25UN/BU	50	CTS35UN/BU	50
Black BL	CTS10U/BL	100	CTS16U/BL	50	CTS25UN/BL	50	CTS35UN/BL	50
Orange O	CTS10U/O	100	CTS16U/O	50	CTS25UN/O	50	CTS35UN/O	50
Green G	CTS10U/G	100	CTS16U/G	50	CTS25UN/G	50	CTS35UN/G	50
Yellow Y	CTS10U/Y	100	CTS16U/Y	50	CTS25UN/Y	50	CTS35UN/Y	50
White W	CTS10U/W	100	CTS16U/W	50	CTS25UN/W	50	CTS35UN/W	50

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	
End Plate	EP6/10U	50	-	-	-	-	-	-	
Partition Plate	PP6/10U	50	-	-	PP25UN	50	PP35UN	50	
Separator Plate	SP6/10U	100	SP6/10U	100	-	-	-	-	
DIN Rail	2511120 CA701-15/S 2511160	20 20 10	2511120 CA701-15/S 2511160	20 20 10	2511120 CA701-15/S 2511160	20 20 10	2511120 CA701-15/S 2511160	20 20 10	
End Stop	CA702 CA802 CA202	50 50 25	CA702 CA802 CA202	50 50 25	CA702 CA802 CA202	50 50 25	CA702 CA802 CA202	50 50 25	
Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA724/2 CA724/3 CA724/4 CA724/10 -	100 50 50 10 -	CA751/2 CA751/3 CA751/4 CA751/10 CA751/100	50 50 50 10 10	CA725/2 CA725/3 CA725/4 CA725/10 CA725/100	50 20 20 10 10	CA771/2 CA771/3 CA771/4 CA771/10 -	50 20 20 10 -
Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole	CA744/2 CA744/3 CA744/4 CA744/10 -	100 50 50 10 -	CA761/2 CA761/3 CA761/4 CA761/10 CA761/100	100 50 50 10 10	CA745/2 CA745/3 CA745/4 CA745/10 CA745/100	50 20 20 10 10	CA781/2 CA781/3 CA781/4 CA781/10 -	50 20 20 10 -
External Jumper	2 pole 3 pole 4 pole 10 pole	CA718/2 CA718/3 CA718/4 CA718/10	100 50 50 20	- - - -	- - - -	- - - -	- - - -	- - - -	
Test Socket	CA707/TS/05	100	CA707/TS/05	100	CA707/TS/06	100	CA707/TS/06	100	
Marking Tag	MT10	1 Pk. (100 tags)	MT12	1 Pk. (100 tags)	MT12	1 Pk. (100 tags)	MT16	1 Pk. (100 tags)	