

FEED-THROUGH

SCREW TERMINAL BLOCKS

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



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



CTS2.5U-N



CTS4U-N



CTS6U



Dimensions & Weight

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

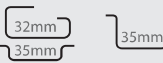
Installation Instructions

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

Accessories

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 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
Internal Jumper	 2 pole 3 pole 4 pole 10 pole 100 pole	CA721/2 CA721/3 CA721/4 CA721/10 CA721/100	100 100 100 10 10	CA722/2 CA722/3 CA722/4 CA722/10 CA722/100	100 100 50 10 10	CA723/2 CA723/3 CA723/4 CA723/10 —	100 50 50 10 —
Insulated Internal Jumper	 2 pole 3 pole 4 pole 10 pole 100 pole	CA741/2 CA741/3 CA741/4 CA741/10 CA741/100	100 100 100 10 10	CA742/2 CA742/3 CA742/4 CA742/10 CA742/100	100 100 100 10 10	CA743/2 CA743/3 CA743/4 CA743/10 —	100 50 50 10 —
External Jumper	 2 pole 3 pole 4 pole 10 pole	CA717/2 CA717/3 CA717/4 CA717/10	100 100 100 20	CA714/2 CA714/3 CA714/4 CA714/10	100 100 100 20	CA710/2 CA710/3 CA710/4 CA710/10	100 50 50 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)	

FEED-THROUGH

SCREW TERMINAL BLOCKS

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	59.2 mm 66.7 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	1.2 Nm	14 lb-in	14 lb-in	1.2 Nm	30 lb-in	2.0 Nm	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	20	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50	CA802	50
	CA202	25	CA202	25	CA202	25	CA202	25
Internal Jumper	CA724/2	100	CA751/2	50	CA725/2	50	CA771/2	50
	CA724/3	50	CA751/3	50	CA725/3	20	CA771/3	20
	CA724/4	50	CA751/4	50	CA725/4	20	CA771/4	20
	CA724/10	10	CA751/10	10	CA725/10	10	CA771/10	10
	—	—	CA751/100	10	CA725/100	10	—	—
Insulated Internal Jumper	CA744/2	100	CA761/2	100	CA745/2	50	CA781/2	50
	CA744/3	50	CA761/3	50	CA745/3	20	CA781/3	20
	CA744/4	50	CA761/4	50	CA745/4	20	CA781/4	20
	CA744/10	10	CA761/10	10	CA745/10	10	CA781/10	10
	—	—	CA761/100	10	CA745/100	10	—	—
External Jumper	CA718/2	100	—	—	—	—	—	—
	CA718/3	50	—	—	—	—	—	—
	CA718/4	50	—	—	—	—	—	—
	CA718/10	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)

FEED-THROUGH

SCREW TERMINAL BLOCKS

HIGHLIGHTS

FEATURES

- DIN Rail and Panel mountable
- Voltage Rating 1000V
- Current Rating up to 240A
- Hex Screw version for easier tightening (NA)
- Auxiliary block for easy plug in

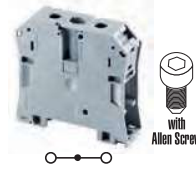
APPLICATIONS

- Power Distribution
- Solar Applications
- **AUX6** auxiliary for indicator light or contactor

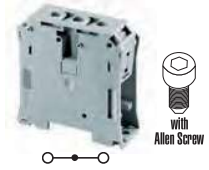
CTS50/70N



CTS50/70NA



CTS95/120N



Dimensions & Weight

Width	20.5 mm	20.5 mm	27.0 mm
Length	77.3 mm	77.3 mm	84.5 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	71.1 mm 78.1 mm	83.0 mm 90.5 mm
Weight per piece	93.8 g	95.0 g	177.2 g

Technical Data/Ratings

Approvals	  	  	  	  		
	E220514	60947-7-1	E220514	60947-7-1	E220514	60947-7-1
Wire Size (solid / stranded)	8-2/0 AWG	10-70 mm ²	8-2/0 AWG	10-70 mm ²	2-250 KCMIL	25-120 mm ²
Voltage Rating	1000 V	1000 V AC/DC	1000 V	1000 V AC/DC	1000 V	1000 V AC/DC
Current Rating	175 A	192 A	175 A	192 A	240 A	269 A
Torque	38 lb-in	3.0 Nm	38 lb-in	3.0 Nm	90 lb-in	6.0 Nm
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	22 mm	22 mm	24 mm
Screwdriver	Flat Head 1.0x7.5 mm	Allen Wrench 5 mm	Allen Wrench 6 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CTS50/70N	20	CTS50/70NA	20	CTS95/120N	10
Red R	CTS50/70N/R	20	CTS50/70NA/R	20	CTS95/120N/R	10
Blue BU	CTS50/70N/BU	20	CTS50/70NA/BU	20	CTS95/120N/BU	10
Black BL	CTS50/70N/BL	20	CTS50/70NA/BL	20	CTS95/120N/BL	10
Orange O	CTS50/70N/O	20	CTS50/70NA/O	20	CTS95/120N/O	10
Green G	CTS50/70N/G	20	CTS50/70NA/G	20	CTS95/120N/G	10
Yellow Y	CTS50/70N/Y	20	CTS50/70NA/Y	20	CTS95/120N/Y	10
White W	CTS50/70N/W	20	CTS50/70NA/W	20	CTS95/120N/W	10

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
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
Shorting Link System	CA628/2	10	CA628/2	10	CA629/2	10
	CA628/3	10	CA628/3	10	CA629/3	10
Marking Tag	MT16	1 Pk. (100 tags)	MT16	1 Pk. (100 tags)	MT16	1 Pk. (100 tags)

Cat. No AUX6

Auxiliary Terminal Block

Used for:

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

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

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

Wire Range: 22-8 AWG

Width x Length x Height: 8 x 53.6 x 29.4 mm

Std. Pk.: 10

Marking Tag: MT8