

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

Width	
Length	
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm
Weight per piece	



Width	5 mm
Length	43 mm
Height w DIN Rail	46.2 mm 53.7 mm
Weight per piece	6.2 g



Width	6 mm
Length	43 mm
Height w DIN Rail	46.2 mm 53.7 mm
Weight per piece	7.6 g



Width	8 mm
Length	43 mm
Height w DIN Rail	47.8 mm 55.5 mm
Weight per piece	13.5 g

Technical Data/Ratings

Approvals	CE, AEx, Ex, IEC, Exell, Exell U, IECEx, IECEx Exell U, IECEx Exell U
Wire Size (solid / stranded)	22-12 AWG, 0.2-2.5 mm ²
Voltage Rating	600 V, 1000V AC/DC
Current Rating	25 A, 24 A
Torque	7 lb-in, 0.4 Nm
Insulation Material	Polyamide 66

Approvals	CE, AEx, Ex, IEC, Exell, Exell U, IECEx, IECEx Exell U, IECEx Exell U
Wire Size (solid / stranded)	22-10 AWG, 0.2-4 mm ²
Voltage Rating	600 V, 1000V AC/DC
Current Rating	35 A, 32 A
Torque	7 lb-in, 0.5 Nm
Insulation Material	Polyamide 66

Approvals	CE, AEx, Ex, IEC, Exell, Exell U, IECEx, IECEx Exell U, IECEx Exell U
Wire Size (solid / stranded)	22-8 AWG, 0.5-6 mm ²
Voltage Rating	600 V, 1000V AC/DC
Current Rating	50 A, 41 A
Torque	14 lb-in, 0.8 Nm
Insulation Material	Polyamide 66

Approvals	CE, AEx, Ex, IEC, Exell, Exell U, IECEx, IECEx Exell U, IECEx Exell U
Wire Size (solid / stranded)	22-8 AWG, 0.5-6 mm ²
Voltage Rating	600 V, 1000V AC/DC
Current Rating	50 A, 41 A
Torque	14 lb-in, 0.8 Nm
Insulation Material	Polyamide 66

Installation Instructions

Wire Stripping Length	8 mm
Screwdriver	Flat Head 0.5 x 3.0 mm

Wire Stripping Length	8 mm
Screwdriver	Flat Head 0.6 x 3.5 mm

Wire Stripping Length	8 mm
Screwdriver	Flat Head 0.6 x 3.5 mm

Wire Stripping Length	9 mm
Screwdriver	Flat Head 0.8 x 4.0 mm

Terminal Blocks

Grey (standard)	R
Red	BU
Blue	BL
Black	O
Orange	G
Green	Y
Yellow	W
White	

Cat. No.	Std. Pk.
CTS2.5U-N	100
CTS2.5U-N/R	100
CTS2.5U-N/BU	100
CTS2.5U-N/BL	100
CTS2.5U-N/O	100
CTS2.5U-N/G	100
CTS2.5U-N/Y	100
CTS2.5U-N/W	100

Cat. No.	Std. Pk.
CTS4U-N	100
CTS4U-N/R	100
CTS4U-N/BU	100
CTS4U-N/BL	100
CTS4U-N/O	100
CTS4U-N/G	100
CTS4U-N/Y	100
CTS4U-N/W	100

Cat. No.	Std. Pk.
CTS6U	100
CTS6U/R	100
CTS6U/BU	100
CTS6U/BL	100
CTS6U/O	100
CTS6U/G	100
CTS6U/Y	100
CTS6U/W	100



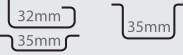
Mounting Handle

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

End Plate	
Partition Plate	
Separator Plate	
DIN Rail	
End Stop	
Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole 
Insulated Internal Jumper	2 pole 3 pole 4 pole 10 pole 100 pole 
External Jumper	2 pole 3 pole 4 pole 10 pole 
Test Socket	
Marking Tag	

Cat. No.	Std. Pk.
EP2.5/4UN	50
PP2.5/4UN	50
SP2.5/4UN	100
2511120	20
CA701-15/S	20
2511160	10
CA702	50
CA802	50
CA202	25
CA721/2	100
CA721/3	100
CA721/4	100
CA721/10	10
CA721/100	10
CA741/2	100
CA741/3	100
CA741/4	100
CA741/10	10
CA741/100	10
CA717/2	100
CA717/3	100
CA717/4	100
CA717/10	20
CA707/TS/01	100
MT5	1 Pk. (100 tags)

Cat. No.	Std. Pk.
EP2.5/4UN	50
PP2.5/4UN	50
SP2.5/4UN	100
2511120	20
CA701-15/S	20
2511160	10
CA702	50
CA802	50
CA202	25
CA722/2	100
CA722/3	100
CA722/4	50
CA722/10	10
CA722/100	10
CA742/2	100
CA742/3	100
CA742/4	100
CA742/10	10
CA742/100	10
CA714/2	100
CA714/3	100
CA714/4	100
CA714/10	20
CA707/TS/01	100
MT6	1 Pk. (100 tags)

Cat. No.	Std. Pk.
EP6/10U	50
PP6/10U	50
SP6/10U	100
2511120	20
CA701-15/S	20
2511160	10
CA702	50
CA802	50
CA202	25
CA723/2	100
CA723/3	50
CA723/4	50
CA723/10	10
—	—
CA743/2	100
CA743/3	50
CA743/4	50
CA743/10	10
—	—
CA710/2	100
CA710/3	50
CA710/4	50
CA710/10	20
CA707/TS/05	100
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	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     	 E220514	 US	 60947-7-1	 E220514	 US	 60947-7-1	 E220514	 US	 60947-7-1	 E220514	 US	 60947-7-1
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

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	2 pole	CA724/2	100	CA751/2	50	CA725/2	50	CA771/2	50
	3 pole	CA724/3	50	CA751/3	50	CA725/3	20	CA771/3	20
	4 pole	CA724/4	50	CA751/4	50	CA725/4	20	CA771/4	20
	10 pole	CA724/10	10	CA751/10	10	CA725/10	10	CA771/10	10
	100 pole	—	—	CA751/100	10	CA725/100	10	—	—
Insulated Internal Jumper	2 pole	CA744/2	100	CA761/2	100	CA745/2	50	CA781/2	50
	3 pole	CA744/3	50	CA761/3	50	CA745/3	20	CA781/3	20
	4 pole	CA744/4	50	CA761/4	50	CA745/4	20	CA781/4	20
	10 pole	CA744/10	10	CA761/10	10	CA745/10	10	CA781/10	10
	100 pole	—	—	CA761/100	10	CA745/100	10	—	—
External Jumper	2 pole	CA718/2	100	—	—	—	—	—	—
	3 pole	CA718/3	50	—	—	—	—	—	—
	4 pole	CA718/4	50	—	—	—	—	—	—
	10 pole	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

SINGLE LEVEL POWER 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

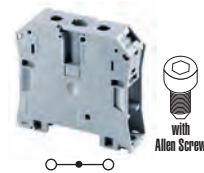
APPLICATIONS

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

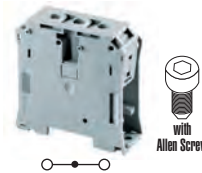
CTS50/70N



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	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	CE, IEC, UL, TUV, Lloyd's Register	UL E220514, C-SP, IEC 60947-7-1	UL E220514, C-SP, IEC 60947-7-1	UL E220514, C-SP, IEC 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

Mouser Electronics

Authorized Distributor

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