

HIGHLIGHTS

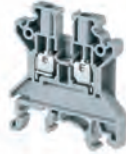
FEATURES

- 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

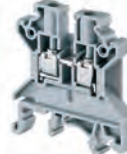
APPLICATIONS

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

CTS2.5U-N



CTS4U-N



CTS6U



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 | CTS2.5U-N | | CTS4U-N | | CTS6U | |
|------------------------------|--------------|-------------------------|--------------|-----------------------|--------------|-----------------------|
| | UL E220514 | IEC 60947-7-1 | UL E220514 | IEC 60947-7-1 | UL E220514 | IEC 60947-7-1 |
| 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

| | CTS2.5U-N | CTS4U-N | CTS6U |
|-----------------------|------------------------|------------------------|------------------------|
| 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.

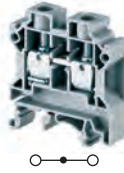
| | | |
|-------|-----------|---|
| MH2.5 | CTS2.5U-N | 1 |
| MH4 | CTS4U-N | 1 |



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 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) | |

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 | 1.2 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 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) | |

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

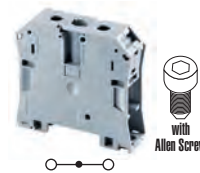
APPLICATIONS

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

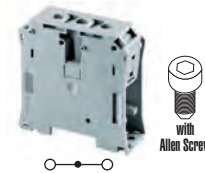
CTS50/70N



CTS50/70NA



CTS95/120N



Dimensions & Weight

| | CTS50/70N | CTS50/70NA | CTS95/120N |
|-------------------|---------------------------|--------------------|--------------------|
| 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 | CE | UL | IEC | UL | IEC | UL | IEC |
|------------------------------|--------------|-----------------------|--------------|-----------------------|--------------|------------------------|-----|
| 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

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