

# INTERCONNECTION

## 12 Way Nylon Terminal Strips

- Moulded from Natural PA6 (standard, CTSN400), Cream PA66 (CTSN500,) Grey PA66 Glass fibre (CTSN600)
- Available with or without wire protection
- UL94-V2 Self extinguishing as standard
- V0 types pass 960°C glow-wire test
- Easily cut to size
- Can also be supplied pre-cut
- Can be printed on request
- Closed inserts (middle barrier) option
- Captive terminal screws
-   &  approvals



### SPECIFICATION

|                     |                         |                   |
|---------------------|-------------------------|-------------------|
| Voltage             | CTSN431-433             | 450VAC            |
|                     | CTSN434-438             | 750VAC (UL600VAC) |
| Working temperature | CTSN400                 | -30°C to +110°C   |
|                     | CTSN500                 | -30°C to +110°C   |
|                     | CTSN600                 | -5°C to +160°C    |
| Moulding            | CTSN400                 | UL94-V2 PA6       |
|                     | CTSN500                 | UL94-V0 PA66      |
|                     | CTSN600                 | UL94-V0 PA66 + GF |
| Standard insert     | Nickel-plated brass     |                   |
| Terminal screws     | Zinc-plated steel CQ-15 |                   |
| Wire protectors     | Stainless steel         |                   |

Part Numbers shown are for standard PA6 material (e.g. CTSN433/12)

For CTSN500 PA66 material change first number to 5 (e.g. CTSN533/12)

For CTSN600 PA66+GF material change first number to 6 (e.g. CTSN633/12)

### Standard Type

| TYPE NO.    | PITCH / UL RATING | WIRE PROTECTION | INSERT DIAMETER | CABLE ACCEPTANCE          | TERMINAL SCREWS | LENGTH | WIDTH  | HEIGHT | PITCH  | FIXING HOLE DIAMETER | MAX CURRENT |
|-------------|-------------------|-----------------|-----------------|---------------------------|-----------------|--------|--------|--------|--------|----------------------|-------------|
| CTSN431/12W | 8mm/20A           | No              | 3.2mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 94mm   | 18mm   | 15mm   | 8mm    | 2.8mm                | 32A         |
| CTSN431/12  | 8mm/15A           | Yes             | 3.2mm           | 2.5mm <sup>2</sup> /14AWG | M3              | 94mm   | 18mm   | 15mm   | 8mm    | 2.8mm                | 32A         |
| CTSN433/12W | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 21mm   | 16mm   | 9.95mm | 2.8mm                | 41A         |
| CTSN433/12  | 10mm/20A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 21mm   | 16mm   | 9.95mm | 2.8mm                | 41A         |
| CTSN434/12W | 12mm/50A          | No              | 4.4mm           | 10.0mm <sup>2</sup> /8AWG | M3.5            | 140mm  | 23mm   | 18mm   | 12mm   | 2.8mm                | 57A         |
| CTSN434/12  | 12mm/30A          | Yes             | 4.4mm           | 6.0mm <sup>2</sup> /10AWG | M3.5            | 140mm  | 23mm   | 18mm   | 12mm   | 2.8mm                | 57A         |
| CTSN436/12W | 13.5mm/65A        | No              | 6.0mm           | 16.0mm <sup>2</sup> /6AWG | M4              | 159mm  | 26mm   | 22.5mm | 13.5mm | 3.6mm                | 76A         |
| CTSN436/12  | 13.5mm/65A        | Yes             | 6.0mm           | 10.0mm <sup>2</sup> /8AWG | M4              | 159mm  | 26mm   | 22.5mm | 13.5mm | 3.6mm                | 76A         |
| CTSN438/12W | 18mm/85A          | No              | 7.5mm           | 25.0mm <sup>2</sup> /4AWG | M5              | 205mm  | 36.5mm | 30.5mm | 17.4mm | 3.4mm                | 101A        |

### Raised Base

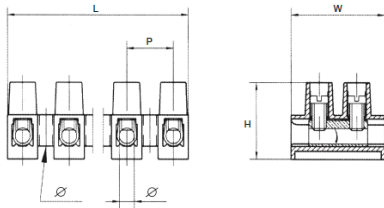
| TYPE NO.     | PITCH / UL RATING | WIRE PROTECTION | INSERT DIAMETER | CABLE ACCEPTANCE          | TERMINAL SCREWS | LENGTH | WIDTH | HEIGHT | PITCH | FIXING HOLE DIAMETER | MAX CURRENT |
|--------------|-------------------|-----------------|-----------------|---------------------------|-----------------|--------|-------|--------|-------|----------------------|-------------|
| CTSN431/12WR | 8mm/20A           | No              | 3.2mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 94mm   | 18mm  | 17mm   | 8mm   | 2.8mm                | 32A         |
| CTSN431/12R  | 8mm/20A           | Yes             | 3.2mm           | 2.5mm <sup>2</sup> /14AWG | M3              | 94mm   | 18mm  | 17mm   | 8mm   | 2.8mm                | 32A         |
| CTSN433/12WR | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 21mm  | 17.5mm | 10mm  | 2.8mm                | 41A         |
| CTSN433/12R  | 10mm/30A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 21mm  | 17.5mm | 10mm  | 2.8mm                | 41A         |
| CTSN434/12WR | 12mm/50A          | No              | 4.4mm           | 10.0mm <sup>2</sup> /8AWG | M3.5            | 140mm  | 23mm  | 20mm   | 12mm  | 2.8mm                | 57A         |
| CTSN434/12R  | 12mm/50A          | Yes             | 4.4mm           | 6.0mm <sup>2</sup> /10AWG | M3.5            | 140mm  | 23mm  | 20mm   | 12mm  | 2.8mm                | 57A         |
| CTSN436/12WR | 13.5mm/65A        | No              | 6.0mm           | 16.0mm <sup>2</sup> /6AWG | M4              | 159mm  | 26mm  | 26mm   | 14mm  | 3.6mm                | 76A         |
| CTSN436/12R  | 13.5mm/65A        | Yes             | 6.0mm           | 10.0mm <sup>2</sup> /8AWG | M4              | 159mm  | 26mm  | 26mm   | 14mm  | 3.6mm                | 76A         |

### Alternative Options

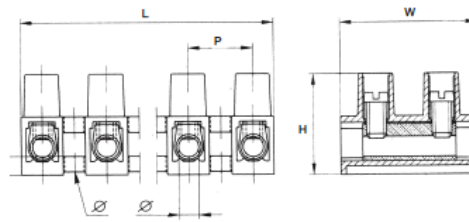
| TYPE NO.      | PITCH / UL RATING | WIRE PROTECTION | INSERT DIAMETER | CABLE ACCEPTANCE          | TERMINAL SCREWS | LENGTH | WIDTH | HEIGHT | PITCH    | FIXING HOLE DIAMETER | MAX CURRENT |
|---------------|-------------------|-----------------|-----------------|---------------------------|-----------------|--------|-------|--------|----------|----------------------|-------------|
| CTSN433/12WL  | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 31mm  | 16.8mm | 10mm     | 2.8mm                | 41A         |
| CTSN433/12L   | 10mm/30A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 31mm  | 16.8mm | 10mm     | 2.8mm                | 41A         |
| CTSN433/12WLC | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 31mm  | 21.5mm | 10mm     | 2.8mm                | 41A         |
| CTSN433/12LC  | 10mm/30A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 21mm  | 17.6mm | 9.95mm   | 3.6mm                | 41A         |
| CTSN433/12WS  | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 21mm  | 17.3mm | 10mm pin | 3.5mm                | 41A         |
| CTSN433/12S   | 10mm/30A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 21mm  | 17.3mm | 10mm pin | 3.5mm                | 41A         |
| CTSN433/12WQ  | 10mm/30A          | No              | 3.5mm           | 6.0mm <sup>2</sup> /10AWG | M3              | 116mm  | 21mm  | 18.1mm | 9.95mm   | 2.8mm                | 41A         |
| CTSN433/12Q   | 10mm/30A          | Yes             | 3.5mm           | 4.0mm <sup>2</sup> /12AWG | M3              | 116mm  | 21mm  | 18.1mm | 9.95mm   | 2.8mm                | 41A         |

# INTERCONNECTION

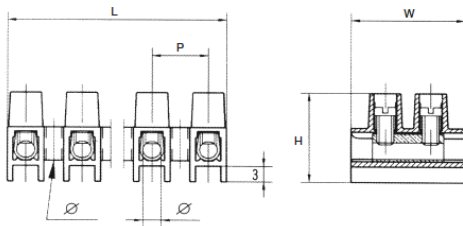
Standard type, no wire protection



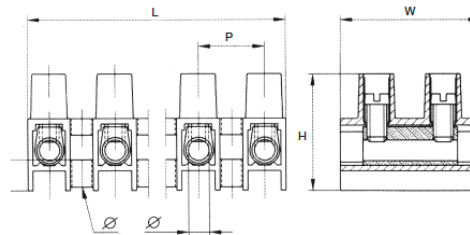
CTSN433/12T fast fixing hole between poles



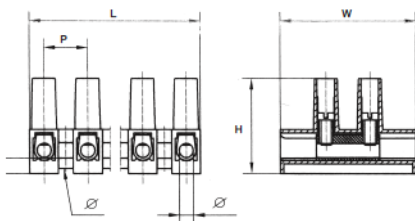
Raised base types - provides increased isolation



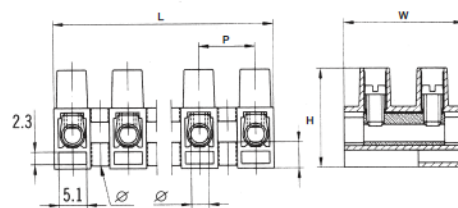
CTSN433/12TR fast fixing hole between poles and raised base



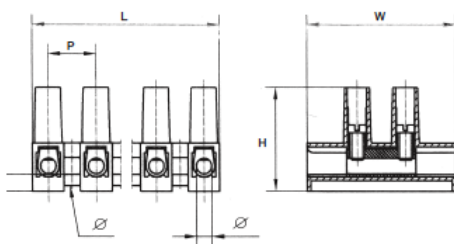
CTSN433/12LC larger isolating surface per pole and screw tower.  
Complies with EN60598/1 4.7 and 11.2



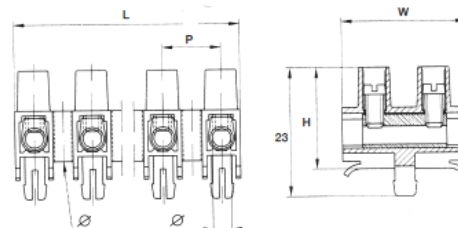
CTSN433/12TRG fast fixing hole between poles, raised base and socket in the base



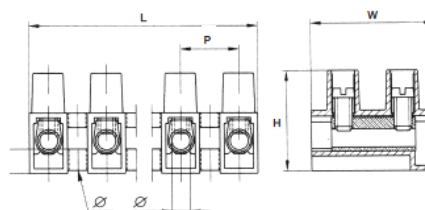
CTSN433/12L larger isolating surface per pole (750V, test voltage 3,000V)  
Complies with EN60598/1 4.7 and 11.2



CTSN433/12S fixing pin



CTSN433/12Q fixing hole between poles and wide base terminal connection



PCB  
TERMINAL  
BLOCKS

INTER-  
CONNECTION

FUSES &  
FUSE-  
HOLDERS

LEDs &  
INDICATORS

MINIATURE  
SWITCHES

LIMIT &  
SAFETY  
SWITCHES

CONTROL  
PRODUCTS

INTERFACE  
MODULES &  
SUPPORTS

RELAY  
BASES

ENCLOSURES

BATTERIES

TRANS-  
FORMERS