

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



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 +180°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	

Standard Type

TYPE NO.	PITCH / UL WIRE		INSERT	CABLE	TERMINAL			FIXING HOLE			MAX
	RATING	PROTECTION	DIAMETER	ACCEPTANCE	SCREWS	LENGTH	WIDTH	HEIGHT	PITCH	DIAMETER	CURRENT
CTSN431/12W	8mm/20A	No	3.2mm	4.0mm ² /12AWG	M3	94mm	18mm	15.5mm	8mm	2.8mm	32A
CTSN431/12	8mm/20A	Yes	3.2mm	2.5mm ² /14AWG	M3	94mm	18mm	15.5mm	8mm	2.8mm	32A
CTSN433/12W	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	16mm	9.95mm	2.8mm	41A
CTSN433/12	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	16mm	9.95mm	2.8mm	41A
CTSN434/12W	12mm/50A	No	4.4mm	10.0mm ² /8AWG	M3.5	140mm	23mm	18.5mm	12mm	2.8mm	57A
CTSN434/12	12mm/50A	Yes	4.4mm	6.0mm ² /10AWG	M3.5	140mm	23mm	18.5mm	12mm	2.8mm	57A
CTSN435/12W	14mm/65A	No	6.0mm	16.0mm ² /6AWG	M4	166mm	29mm	23mm	14mm	3.5mm x 6.4 slot	76A
CTSN435/12	14mm/65A	Yes	6.0mm	10.0mm ² /8AWG	M4	166mm	29mm	23mm	14mm	3.5mm x 6.4 slot	76A
CTSN438/12W	18mm/85A	No	7.5mm	25.0mm ² /4AWG	M5	205mm	36.5mm	30.5mm	17.4mm	3.4mm	101A

Part Numbers shown are for CTSN400 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)

Raised Base

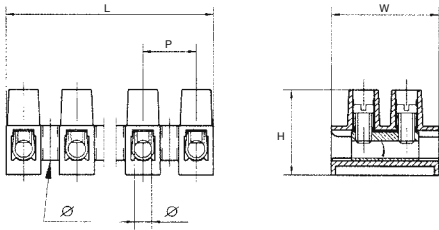
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	RATING	PROTECTION	DIAMETER	ACCEPTANCE	SCREWS	LENGTH	WIDTH	HEIGHT	PITCH	DIAMETER	CURRENT
CTSN431/12WR	8mm/20A	No	3.2mm	4.0mm ² /12AWG	M3	94mm	18mm	17.2mm	8mm	2.8mm	32A
CTSN431/12R	8mm/20A	Yes	3.2mm	2.5mm ² /14AWG	M3	94mm	18mm	17.2mm	8mm	2.8mm	32A
CTSN433/12WR	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	17.8mm	10mm	2.8mm	41A
CTSN433/12R	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	17.8mm	10mm	2.8mm	41A
CTSN434/12WR	12mm/50A	No	4.4mm	10.0mm ² /8AWG	M3.5	140mm	23mm	20.5mm	12mm	2.8mm	57A
CTSN434/12R	12mm/50A	Yes	4.4mm	6.0mm ² /10AWG	M3.5	140mm	23mm	20.5mm	12mm	2.8mm	57A
CTSN435/12WR	14mm/65A	No	6.0mm	16.0mm ² /6AWG	M4	166mm	29mm	25.8mm	14mm	3.5mm x 6.4 slot	76A
CTSN435/12R	14mm/65A	Yes	6.0mm	10.0mm ² /8AWG	M4	166mm	29mm	25.8mm	14mm	3.5mm x 6.4 slot	76A

Alternative Options

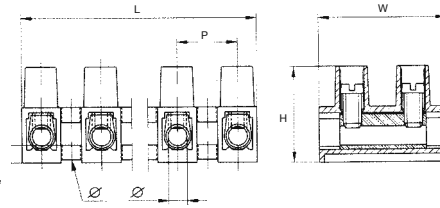
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	RATING	PROTECTION	DIAMETER	ACCEPTANCE	SCREWS	LENGTH	WIDTH	HEIGHT	PITCH	DIAMETER	CURRENT
CTSN433/12WL	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	31mm	16.8mm	10mm	2.8mm	41A
CTSN433/12LR	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	31mm	16.8mm	10mm	2.8mm	41A
CTSN433/12WLC	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	31mm	21.5mm	10mm	2.8mm	41A
CTSN433/12LRC	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	31mm	21.5mm	10mm	2.8mm	41A
CTSN433/12WT	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	16mm	9.95mm	2.1mm	41A
CTSN433/12TR	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	16mm	9.95mm	2.1mm	41A
CTSN433/12WTR	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	17.8mm	9.95mm	3.8mm	41A
CTSN433/12TR	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	17.8mm	9.95mm	3.8mm	41A
CTSN433/12WTRG	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	17.6mm	9.95mm	3.6mm	41A
CTSN433/12TRG	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	17.6mm	9.95mm	3.6mm	41A
CTSN433/12WS	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	17.3mm	10mm pin	3.5mm drill	41A
CTSN433/12S	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	17.3mm	10mm pin	3.5mm drill	41A
CTSN433/12WQ	10mm/30A	No	3.5mm	6.0mm ² /10AWG	M3	116mm	21mm	18.1mm	9.95mm	2.8mm	41A
CTSN433/12Q	10mm/30A	Yes	3.5mm	4.0mm ² /12AWG	M3	116mm	21mm	18.1mm	9.95mm	2.8mm	41A

INTERCONNECTION

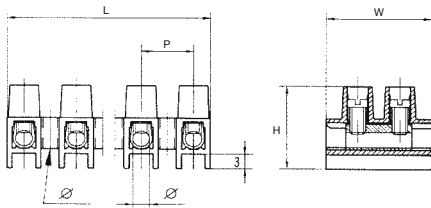
Standard type, no wire protection



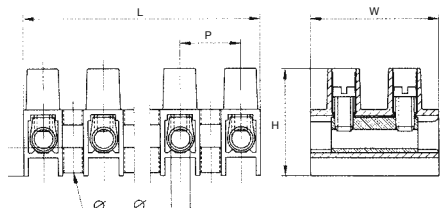
CTSN433/12T fast fixing hole between poles



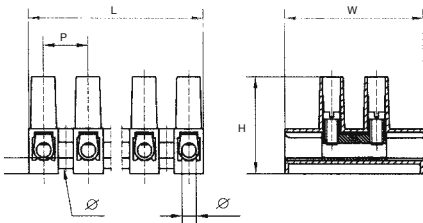
Raised base types - provide increased isolation



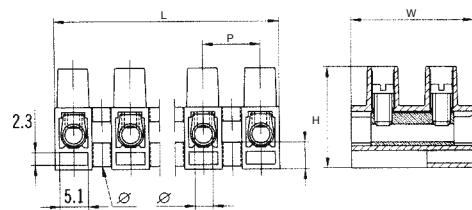
CTSN433/12TR fast fixing hole between poles and raised base



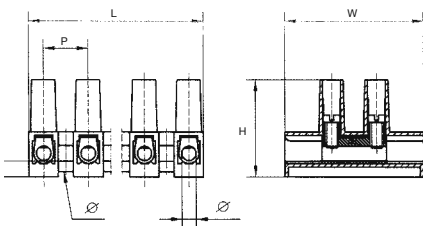
CTSN433/12LC larger isolating surface per pole and screw tower. Complies with EN60598/1 4.7 and 11.2



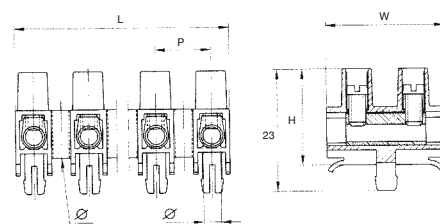
CTSN433/12TRG fast fixing hole between poles, raised base and socket in the base



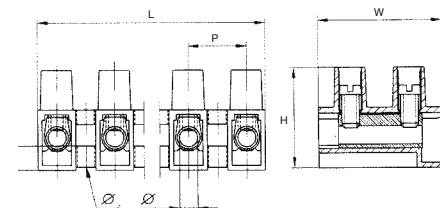
CTSN433/12L larger isolating surface per pole (750V, test voltage 3,000V) Complies with EN60598/1 4.7 and 11.2



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

INTERCONNECTION

Pluggable Terminal Strips Plug in

- Moulded in white UL94-V2 self extinguishing PA6
- Easily cut to size
- IMQ, CE Approved
- UL94-VO (160°C) flame retardant version available on request.
- Available pre-cut to length

CTSN/MF



SPECIFICATION

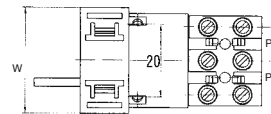
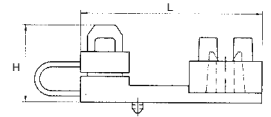
Voltage (max)	450V AC
Working temperature	85°C
Short period	85°C
No. of poles	12
Moulding	UL94-V2 Self extinguishing PA 6
Conducting bush	Brass
Screws	Zinc, colour passivated and tropicalised

TYPE NO.	SIZE / RATING	INSERT DIAMETER	TERMINAL SCREWS	LENGTH	WIDTH	HEIGHT	PITCH	FIXING HOLE DIAMETER	MAX CURRENT
CTSN431/12MF	8mm/6A	2.9mm	M3	94.8mm	16mm	15.3mm	8mm	2.5mm	17.5A
CTSN433/12MF	10mm/10A	3.4mm	M3	119mm	20.3mm	16.4mm	10mm	3.2mm	24A
CTSN434/12MF	12mm/16A	4.3mm	M3.5	141.9mm	23.2mm	19.2mm	12mm	3.3mm	57A

Strain relief

- Clamps external conductors in lighting fixtures according to EN 60598
- Natural colour PA6
- Takes the strain on the wires
- Prevents conductors from twisting
- Protects wire coating from abrasion and friction

CSR



TYPE NO.	TERMINAL STRIP	LENGTH	WIDTH	HEIGHT
CSR1	CTSN431	49.5mm	31mm	22.5mm
CSR2	CTSN433 / CTSN433T	52.5mm	31mm	22.5mm
CSR3	CTSN434	54.5mm	31mm	22.5mm



INTERCONNECTION

Easy Break Terminal Strips

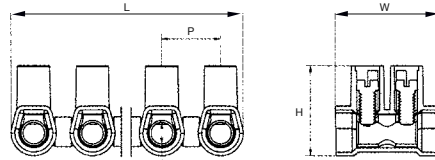
- Easily snapped to required number of poles
- No remaining burrs
- No tools needed to cut to length
- Moulded in natural UL94-V2 self extinguishing PA6, black optional
- Supplied with screws in raised position
- 12 poles
- Halogen free

CTSOS



SPECIFICATION

Voltage max	450V AC
Working temperature	-30°C to + 110°C
Moulding	UL94-V2 self extinguishing PA6
Insert	Nickel Plated Brass
Screws	Zinc-plated steel



TYPE NO.	CURRENT RATING	CONNECTING CAPACITY	MIN CONDUCTOR SECTION	LENGTH	WIDTH	HEIGHT	PITCH	TERMINAL SCREW
CTSOS431	24A	2.5mm ²	1mm ²	95.5mm	17.5mm	14.75mm	8mm	M3
CTSOS433	41A	6mm ²	2.5mm ²	118mm	19mm	15.6mm	10mm	M3
CTSOS434	57A	10mm ²	4mm ²	142mm	20.8mm	18.2mm	12mm	M3.5
CTSOS435	76A	16mm ²	6mm ²	160mm	23mm	21.2mm	13.5mm	M4
CTSOS438	125A	35mm ²	16mm ²	176.5mm	25.5mm	28mm	15mm	M5

