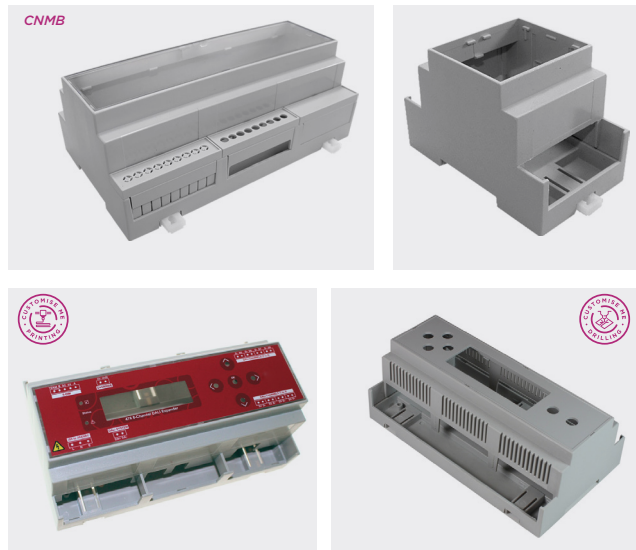


# DIN Rail modular enclosures

## Product overview

- Designed to meet the requirements of DIN 43880
- Snap fit modular design for ease of assembly and custom kitting
- Base fits 35mm (EN60715) DIN Rail or directly to flat surface
- Moulded in light grey UL94-V0 flame retardant polycarbonate
- Carries up to 3 PCBs horizontally or 2 vertically
- Snap fit terminal cover options for IP20 finger protection
- Snap in top covers available in grey, clear, transparent red and smoked
- Standard enclosure consists of base, top and rail/wall clips
- Open top as standard, solid top, vented and extended wall options available
- Covers and terminal guards ordered separately and can be supplied in kits
- Easily customised covers and terminal guards and CNMB base
- Clear, smoked and red covers are moulded in PC UL94-V2
- Grey covers are PC UL94-V0
- Enclosed base offers isolation from DIN Rail
- Front panel (covers) ideal for screen printing and recessed solid top for labels and membranes
- Other colours and EMC shielding available to order



| BOX LENGTH |         | HORIZONTAL PCB SIZES |            |           | VERTICAL PCB SIZES |           |
|------------|---------|----------------------|------------|-----------|--------------------|-----------|
|            |         | A                    | B          | C         | D                  | E         |
| CNMB/1-    | 17.5mm  | 86.5x14mm            | 57x14mm    | 41.8x14mm | 34x59.6mm          | 40x14.8mm |
| CNMB/2-    | 36mm    | 86.5x33mm            | 57x32mm    | 42x32mm   | 34x59.6mm          | 40x33mm   |
| CNMB/3-    | 53.4mm  | 86.5x50mm            | 57x49mm    | 42x49mm   | 34x59.6mm          | 40x50mm   |
| CNMB/4-    | 71.2mm  | 86.5x68mm            | 57x67mm    | 42x67mm   | 34x59.6mm          | 40x68mm   |
| CNMB/5-    | 88mm    | 86.5x84mm            | 57x83mm    | 42x83mm   | 34x59.6mm          | 40x84mm   |
| CNMB/6-    | 106.2mm | 86.5x103mm           | 57x102mm   | 42x102mm  | 34x59.6mm          | 40x103mm  |
| CNMB/9-    | 159.2mm | 86.5x156mm           | 57x155.5mm | 42x155mm  | 34x59.6mm          | 40x155mm  |
| CNMB/12-   | 212.1mm | 86.5x208mm           | 57x207mm   | 42x207mm  | 34x59.6mm          | 40x208mm  |

For exposed terminal positions both sides, add /2 to part number (e.g. CNMB/5/2)

For exposed terminal positions one side only, add /1 to part number (e.g. CNMB/5/1). Please note, this is only available as standard in sizes 5, 6 and 9

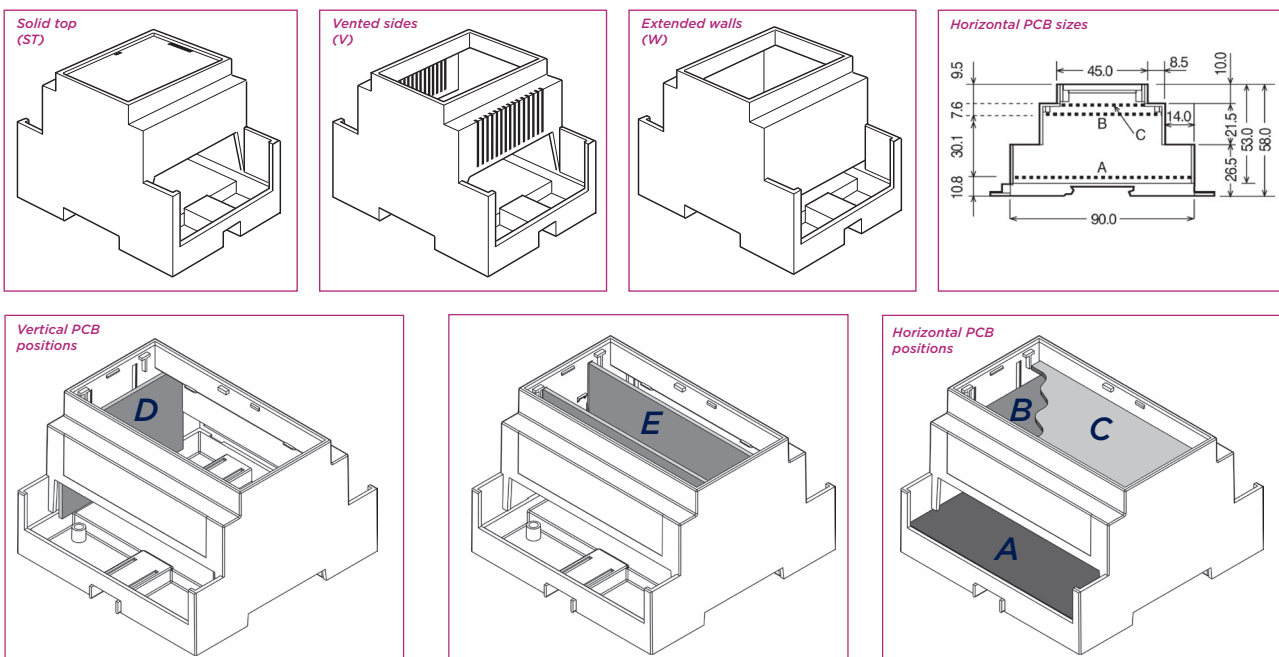
Box supplied with open top as standard

For solid recessed top used for membrane keypads or clear covers to enclose labels, add ST to part number (e.g. CNMB/3ST/2)

For cooling vents both sides add V to part number (e.g. CNMB/3V/2)

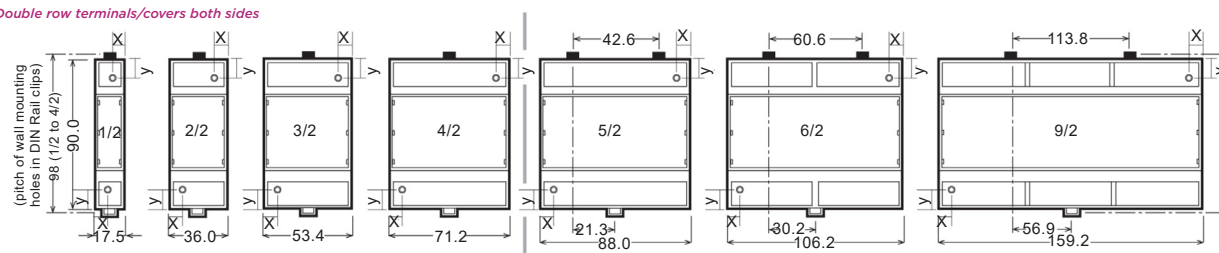
For extended side walls which meet the lower PCB behind terminals, add W to part number (e.g. CNMB/3W/2) - terminal guards do not fit extended wall versions

Combinations of body types are available (e.g. solid top with vented sides). These may be subject to MOQ

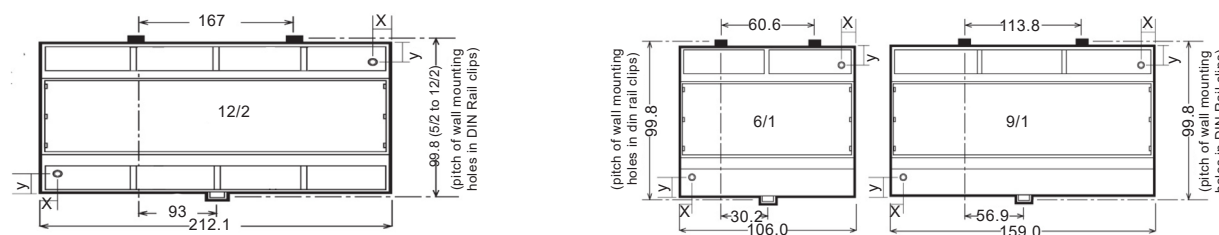




## Double row terminals/covers both sides



## Single row terminals/covers on one side

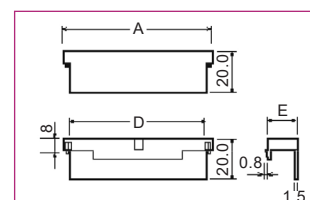


## Solid

| PART NO.   | STYLE | A      | D      | E      |
|------------|-------|--------|--------|--------|
| CNMB/1/TGS | Solid | 17.5mm | 15.0mm | 14.3mm |
| CNMB/2/TGS | Solid | 35.5mm | 29.9mm | 13.8mm |
| CNMB/3/TGS | Solid | 52.8mm | 45.5mm | 13.8mm |
| CNMB/4/TGS | Solid | 70.6mm | 59.9mm | 13.8mm |
| CNMB/5/TGS | Solid | 87.6mm | 79.5mm | 13.8mm |

For 6, 9 and 12 size module use CNMB/3/TGS

## CNMB/x/TGS

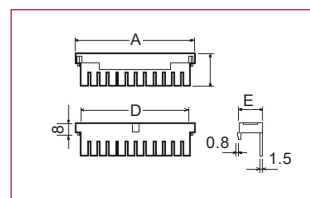
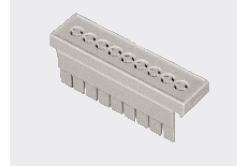


## 5.08mm pitch perforated

| PART NO.      | STYLE      | A      | D      | E      |
|---------------|------------|--------|--------|--------|
| CNMB/1/TG508P | Perforated | 17.5mm | 15.0mm | 14.3mm |
| CNMB/2/TG508P | Perforated | 35.5mm | 29.9mm | 13.8mm |
| CNMB/3/TG508P | Perforated | 52.8mm | 45.5mm | 13.8mm |
| CNMB/4/TG508P | Perforated | 70.6mm | 59.9mm | 13.8mm |
| CNMB/5/TG508P | Perforated | 87.6mm | 79.5mm | 13.8mm |

For 6, 9 and 12 size module use CNMB/3/TG508P

## CNMB/x/TG508P

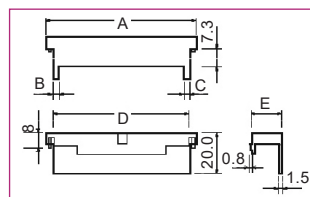


## 5.08mm pitch pre-drilled

| PART NO.     | STYLE       | POLES | A      | B     | C     | D      | E      |
|--------------|-------------|-------|--------|-------|-------|--------|--------|
| CNMB/1/TG508 | Pre-drilled | 3     | 17.5mm | 2.3mm | 2.3mm | 15.0mm | 14.3mm |
| CNMB/2/TG508 | Pre-drilled | 6     | 35.5mm | 0.9mm | 2.7mm | 29.9mm | 13.8mm |
| CNMB/3/TG508 | Pre-drilled | 9     | 52.8mm | 2.3mm | 2.3mm | 45.5mm | 13.8mm |
| CNMB/4/TG508 | Pre-drilled | 12    | 70.6mm | 2.7mm | 5.8mm | 59.9mm | 13.8mm |
| CNMB/5/TG508 | Pre-drilled | 15    | 87.6mm | 2.7mm | 5.8mm | 79.5mm | 13.8mm |

For 6, 9 and 12 size module use CNMB/3/TG508

## CNMB/x/TG508

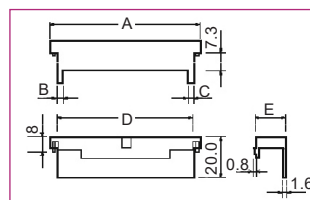
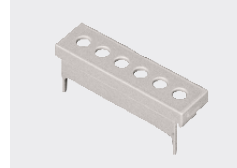


## 7.5mm pitch pre-drilled

| PART NO.     | STYLE       | POLES | A      | B     | C     | D      | E      |
|--------------|-------------|-------|--------|-------|-------|--------|--------|
| CNMB/1/TG750 | Pre-drilled | 2     | 17.5mm | 2.3mm | 2.3mm | 15.0mm | 14.3mm |
| CNMB/2/TG750 | Pre-drilled | 4     | 35.5mm | 0.9mm | 2.7mm | 29.9mm | 13.8mm |
| CNMB/3/TG750 | Pre-drilled | 6     | 52.8mm | 2.3mm | 2.3mm | 45.5mm | 13.8mm |
| CNMB/4/TG750 | Pre-drilled | 8     | 70.6mm | 2.7mm | 5.8mm | 59.9mm | 13.8mm |
| CNMB/5/TG750 | Pre-drilled | 10    | 87.6mm | 2.7mm | 5.8mm | 79.5mm | 13.8mm |

For 6, 9 and 12 size module use CNMB/3/TG750

## CNMB/x/TG750



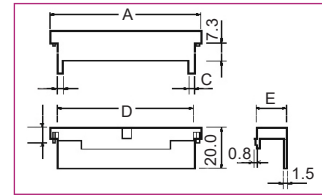


## 10.16mm pitch pre-drilled

| PART NO.     | STYLE       | POLES | A      | B     | C     | D      | E      |
|--------------|-------------|-------|--------|-------|-------|--------|--------|
| CNMB/1/TG100 | Pre-drilled | 2     | 17.5mm | 1.0mm | 1.0mm | 15.0mm | 14.3mm |
| CNMB/2/TG100 | Pre-drilled | 3     | 35.5mm | 0.9mm | 0.9mm | 29.9mm | 13.8mm |
| CNMB/3/TG100 | Pre-drilled | 5     | 52.8mm | 1.0mm | 1.0mm | 45.5mm | 13.8mm |
| CNMB/4/TG100 | Pre-drilled | 6     | 70.6mm | 2.7mm | 2.7mm | 59.9mm | 13.8mm |
| CNMB/5/TG100 | Pre-drilled | 7     | 87.6mm | 2.7mm | 5.8mm | 79.5mm | 13.8mm |

For 6, 9 and 12 size module use CNMB/3/TG100

CNMB/x/TG100

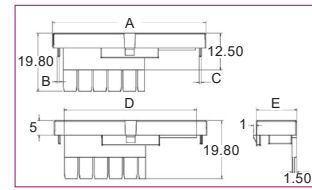
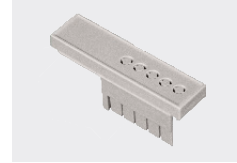


## RJ45 5.08mm pitch perforated

| PART NO.      | STYLE      | POLES | A      | B     | C     | D      | E      |
|---------------|------------|-------|--------|-------|-------|--------|--------|
| CNMB/3/TGRJ45 | Perforated | 5     | 52.8mm | 1.0mm | 1.0mm | 45.5mm | 13.8mm |

Can be used on sizes 3, 6, 9 and 12

CNMB/x/TGRJ45

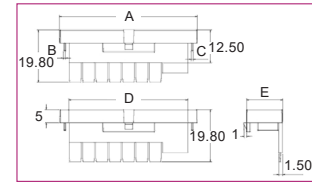


## MINI USB 5.08mm pitch perforated

| PART NO.         | STYLE      | POLES | A      | B     | C     | D      | E      |
|------------------|------------|-------|--------|-------|-------|--------|--------|
| CNMB/3/TGMINIUSB | Perforated | 7     | 52.8mm | 1.0mm | 1.0mm | 45.5mm | 13.8mm |

Can be used on sizes 3, 6, 9 and 12

CNMB/x/TGMINIUSB

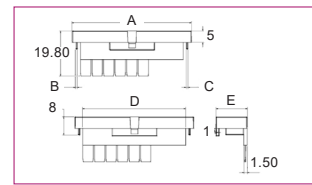


## USB 5.08 pitch perforated

| PART NO.     | STYLE      | POLES | A      | B     | C     | D      | E      |
|--------------|------------|-------|--------|-------|-------|--------|--------|
| CNMB/3/TGUSB | Perforated | 6     | 52.8mm | 1.0mm | 1.0mm | 45.5mm | 13.8mm |

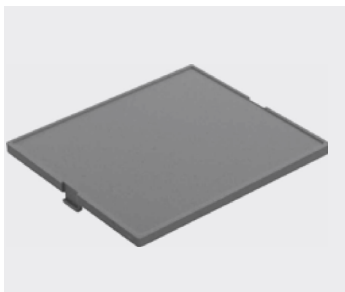
Can be used on sizes 3, 6, 9 and 12

CNMB/x/TGUSB



## COVERS

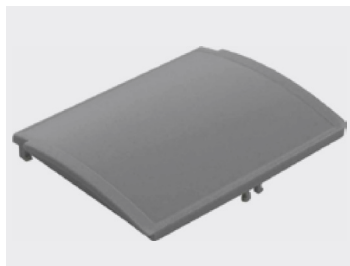
### Standard covers



| RED TRANSPARENT | SMOKED TRANSPARENT | CLEAR TRANSPARENT | GREY       | SIZE |
|-----------------|--------------------|-------------------|------------|------|
| CNMB/1/PR       | CNMB/1/PS          | CNMB/1/PC         | CNMB/1/PG  | 1    |
| CNMB/2/PR       | CNMB/2/PS          | CNMB/2/PC         | CNMB/2/PG  | 2    |
| CNMB/3/PR       | CNMB/3/PS          | CNMB/3/PC         | CNMB/3/PG  | 3    |
| CNMB/4/PR       | CNMB/4/PS          | CNMB/4/PC         | CNMB/4/PG  | 4    |
| CNMB/5/PR       | CNMB/5/PS          | CNMB/5/PC         | CNMB/5/PG  | 5    |
| CNMB/6/PR       | CNMB/6/PS          | CNMB/6/PC         | CNMB/6/PG  | 6    |
| CNMB/9/PR       | CNMB/9/PS          | CNMB/9/PC         | CNMB/9/PG  | 9    |
| -               | -                  | CNMB/12/PC        | CNMB/12/PG | 12   |



## Curved covers



| RED TRANSPARENT | SMOKED TRANSPARENT | CLEAR TRANSPARENT | GREY       | SIZE |
|-----------------|--------------------|-------------------|------------|------|
| CNMB/2/PRC      | CNMB/2/PSC         | CNMB/2/PCC        | CNMB/2/PGC | 2    |
| CNMB/3/PRC      | CNMB/3/PSC         | CNMB/3/PCC        | CNMB/3/PGC | 3    |
| CNMB/4/PRC      | CNMB/4/PSC         | CNMB/4/PCC        | CNMB/4/PGC | 4    |
| CNMB/5/PRC      | CNMB/5/PSC         | CNMB/5/PCC        | CNMB/5/PGC | 5    |
| CNMB/6/PRC      | CNMB/6/PSC         | CNMB/6/PCC        | CNMB/6/PGC | 6    |
| CNMB/9/PRC      | CNMB/9/PSC         | CNMB/9/PCC        | CNMB/9/PGC | 9    |

## EXTENDED HEIGHT MODULES

- 16mm high
- Accepts curved hinged cover only
- Adds an additional horizontal PCB slot
- Does not fit on solid top CNMB's



| PART NO. | WIDTH   | SIZE |
|----------|---------|------|
| CNMB/2/E | 34.7mm  | 2    |
| CNMB/3/E | 52.0mm  | 3    |
| CNMB/4/E | 70.0mm  | 4    |
| CNMB/5/E | 86.5mm  | 5    |
| CNMB/6/E | 104.5mm | 6    |
| CNMB/9/E | 157.7mm | 9    |

## Curved hinged covers



| RED TRANSPARENT | CLEAR TRANSPARENT | GREY        | SIZE |
|-----------------|-------------------|-------------|------|
| CNMB/2/HPRC     | CNMB/2/HPCC       | CNMB/2/HPGC | 2    |
| CNMB/3/HPRC     | CNMB/3/HPCC       | CNMB/3/HPGC | 3    |
| CNMB/4/HPRC     | CNMB/4/HPCC       | CNMB/4/HPGC | 4    |
| CNMB/5/HPRC     | CNMB/5/HPCC       | CNMB/5/HPGC | 5    |
| CNMB/6/HPRC     | CNMB/6/HPCC       | CNMB/6/HPGC | 6    |
| CNMB/9/HPRC     | CNMB/9/HPCC       | CNMB/9/HPGC | 9    |

For use with extended height module only

## ENCLOSURE KITS



- Each kit contains one grey panel cover and a selection of solid and perforated terminal guards
- Kits of the most frequently used components are available to order

\* For size 6, 9 and 12, multiple 'size 3' terminal guards are supplied. For example size 6 requires 2x 'size 3' guards per side.

Kits are also available for vented, solid top and extended wall bodies e.g. CNMB/2ST/KIT.

Extended wall kits do not come with terminal guards

|          | COMPONENT    | COVER | TERMINAL GUARDS |      | EXTENSION MODULE |
|----------|--------------|-------|-----------------|------|------------------|
| KIT      | KIT PART NO. | /PG   | /TG508P         | /TGS | /E               |
| STANDARD | CNMB/1/KIT   | 1     | 2               | 1    | -                |
|          | CNMB/2/KIT   | 1     | 2               | 1    | -                |
|          | CNMB/3/KIT   | 1     | 2               | 1    | -                |
|          | CNMB/4/KIT   | 1     | 2               | 1    | -                |
|          | CNMB/5/KIT   | 1     | 2               | 1    | -                |
|          | CNMB/6/KIT   | 1     | 4*              | 2*   | -                |
|          | CNMB/9/KIT   | 1     | 6*              | 3*   | -                |
|          | CNMB/12/KIT  | 1     | 8*              | 4*   | -                |

|                 | COMPONENT    | COVER | TERMINAL GUARDS |      | EXTENSION MODULE |
|-----------------|--------------|-------|-----------------|------|------------------|
| KIT             | KIT PART NO. | /HPCC | /TG508P         | /TGS | /E               |
| EXTENDED HEIGHT | CNMB/2E/KIT  | 1     | 2               | 1    | 1                |
|                 | CNMB/3E/KIT  | 1     | 2               | 1    | 1                |
|                 | CNMB/4E/KIT  | 1     | 2               | 1    | 1                |
|                 | CNMB/5E/KIT  | 1     | 2               | 1    | 1                |
|                 | CNMB/6E/KIT  | 1     | 4*              | 2*   | 1                |
|                 | CNMB/9E/KIT  | 1     | 6*              | 3*   | 1                |

# CNMB TERMINAL BLOCK SELECTION CHART

| PITCH   | TERMINAL BLOCK PART NUMBER                              | CNMB/1          | CNMB/2 | CNMB/3 | CNMB/4 | CNMB/5 | CNMB/6* | CNMB/9* | CNMB/12* |
|---------|---------------------------------------------------------|-----------------|--------|--------|--------|--------|---------|---------|----------|
|         |                                                         | NUMBER OF POLES |        |        |        |        |         |         |          |
| 3.5MM   | CTBP3051<br>PCB terminal<br>Wire protector              | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
|         | CTBP0305<br>PCB terminal<br>Rising clamp                | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
|         | CTBP92VD/R<br>Pluggable terminal female<br>Rising clamp | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
|         | CTBP93VD<br>Pluggable terminal male                     | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
| 3.81MM  | CTBP0308<br>PCB terminal<br>Rising clamp                | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
|         | CTBP92VE/R<br>Pluggable terminal<br>Rising clamp        | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
|         | CTBP93VE<br>Pluggable terminal male                     | 4               | 8      | 12     | 16     | 20     | 12      | 12      | 12       |
| 5MM     | CTBP5000<br>PCB terminal<br>Wire protector              | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP0500<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP1000<br>PCB terminal<br>Wire protector              | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP0100<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP7000<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP92VG/R<br>Pluggable terminal female<br>Rising clamp | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP9300<br>Pluggable terminal male                     | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
| 5.08MM  | CTBP0108<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP0508<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP0708<br>PCB terminal<br>Rising clamp                | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP92VJ/R<br>Pluggable terminal female<br>Rising clamp | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
|         | CTBP9308<br>Pluggable terminal male                     | 3               | 6      | 9      | 12     | 15     | 9       | 9       | 9        |
| 7.5MM   | CTBP55VK<br>PCB terminal<br>Wire protector              | 2               | 4      | 6      | 8      | 10     | 6       | 6       | 6        |
|         | CTBP07VK<br>PCB terminal<br>Rising clamp                | 2               | 4      | 6      | 8      | 10     | 6       | 6       | 6        |
|         | CTBP0110<br>PCB terminal<br>Rising clamp                | 2               | 4      | 6      | 8      | 10     | 6       | 6       | 6        |
| 9.5MM   | CTBP04VZ<br>PCB terminal<br>Rising clamp                | 0               | 3      | 5      | 6      | 8      | 5       | 5       | 5        |
| 10.16MM | CTBP0609<br>PCB terminal<br>Rising clamp                | 0               | 3      | 5      | 7      | 9      | 5       | 5       | 5        |

Please note: size /6, /9 & /12 have the same sized terminal space as a size /3 housing and therefore use the same sized terminal blocks