

# DIN RAIL BOXES

## DIN Rail Standard Height Module Boxes

- Snap fit modular design for ease of assembly and custom kitting
- Base fits 35mm 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 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
- Enclosed base offers isolation from DIN rail
- Front panel ideal for screen printing and recessed solid top for labels and membranes
- Other colours and EMC shielding available to order

CNMB



|          | BOX LENGTH | HORIZONTAL PCB SIZES |            |           | VERTICAL PCB SIZES |           | PCB FIXING BOSS |        |
|----------|------------|----------------------|------------|-----------|--------------------|-----------|-----------------|--------|
|          |            | A                    | B          | C         | D                  | E         | X               | Y      |
| CNMB/1-  | 17.5mm     | 86.5x14mm            | 57x14mm    | 41.8x14mm | 34x59.6mm          | 40x14.8mm | 6.2mm           | 18.3mm |
| CNMB/2-  | 36mm       | 86.5x33mm            | 57x32mm    | 42x32mm   | 34x59.6mm          | 40x33mm   | 6.2mm           | 18.3mm |
| CNMB/3-  | 53mm       | 86.5x50mm            | 57x49mm    | 42x49mm   | 34x59.6mm          | 40x50mm   | 8.8mm           | 18.3mm |
| CNMB/4-  | 71mm       | 86.5x68mm            | 57x67mm    | 42x67mm   | 34x59.6mm          | 40x68mm   | 8.8mm           | 18.3mm |
| CNMB/5-  | 88mm       | 86.5x84mm            | 57x83mm    | 42x83mm   | 34x59.6mm          | 40x84mm   | 8.8mm           | 18.3mm |
| CNMB/6-  | 106mm      | 86.5x103mm           | 57x102mm   | 42x102mm  | 34x59.6mm          | 40x103mm  | 8.9mm           | 18.3mm |
| CNMB/9-  | 159mm      | 86.5x156mm           | 57x155.5mm | 42x155mm  | 34x59.6mm          | 40x155mm  | 8.9mm           | 18.3mm |
| CNMB/12- | 212mm      | 86.5x208mm           | 57x207mm   | 42x207mm  | 34x59.6mm          | 40x208mm  | 8.9mm           | 18.3mm |

For double row terminals covers both sides, add /2 to type No. (e.g. CNMB/3/2)

For single row terminals cover one side only, add /1 to type No. (e.g. CNMB/3/1)

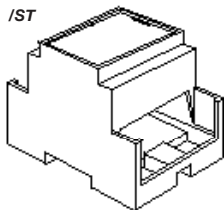
Box supplied with open top as standard

For solid recessed top used for membrane keypads or clear covers to enclose labels, add /ST to type No. (e.g. CNMB/3ST/2)

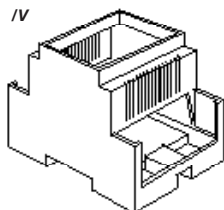
For cooling vents both sides add /V to type No. (e.g. CNMB/3V/2)

For extended side walls which meet the lower PCB behind terminals, add /W to type No. (e.g. CNMB/3W/2)

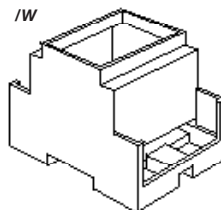
Solid Top  
/ST



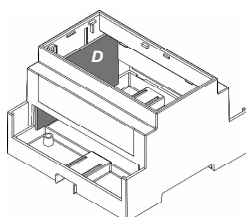
Vented Sides  
/V



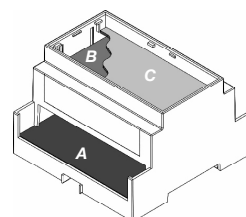
Extended Walls  
/W



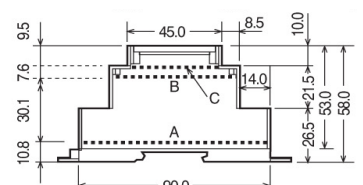
Vertical PCB Positions



Horizontal PCB Positions

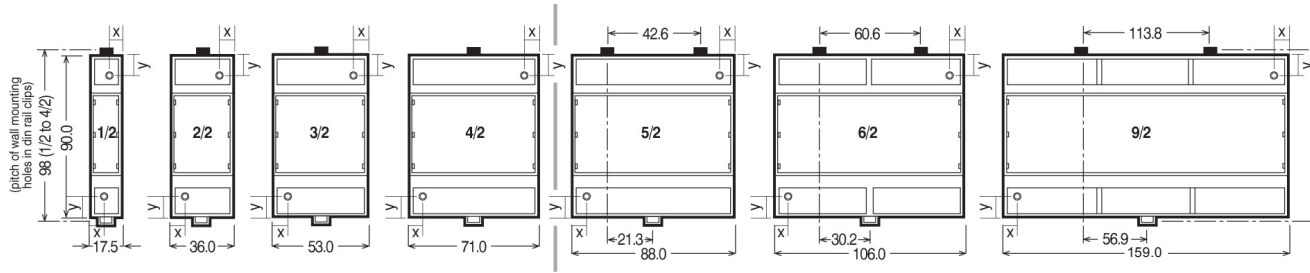


Horizontal PCB Sizes

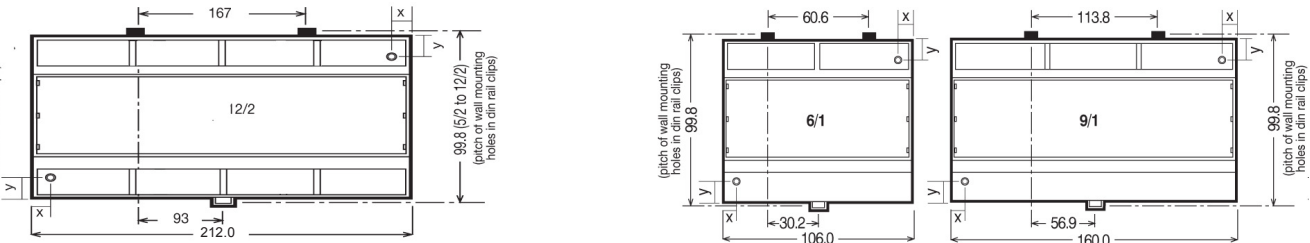


# DIN RAIL BOXES

Double Row Terminals/ covers both sides



Single Row Terminals/ covers on one side



## Terminal Guards

### Solid

| TYPE 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 & 12 Size Module Use CNMB/3TGS

### 5.08mm pitch perforated

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

\*For 6, 9 & 12 Size Module Use CNMB/3TG508P

### 5.08mm pitch pre-drilled

| TYPE 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 & 12 Size Module Use CNMB/3/TG508

### 7.5mm pitch pre-drilled

| TYPE 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 |

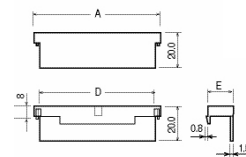
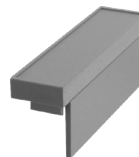
For 6, 9 & 12 Size Module Use CNMB/3/TG750

### 10.16mm pitch pre-drilled

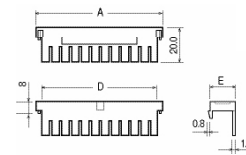
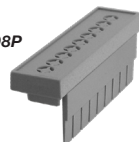
| TYPE NO.     | STYLE       | POLES | A      | B     | C     | D      | E      |
|--------------|-------------|-------|--------|-------|-------|--------|--------|
| CNMB/1/TG100 | Pre-Drilled | 2     | 17.5mm | 1.0mm | 1.0mm | 15.0mm | 14.3mm |
| CNMB/2/TG100 | Pre-Drilled | 3     | 35.5mm | 0.9mm | 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 & 12 Size Module use CNMB/3/TG100

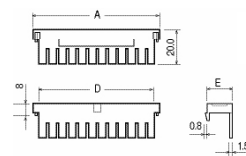
CNMB/ /TGS



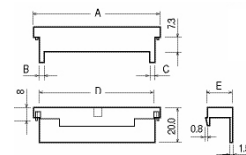
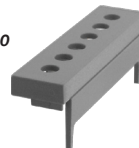
CNMB/ /TG508P



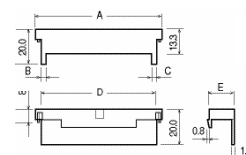
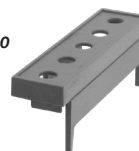
CNMB/ /TG508



CNMB/ /TG750



CNMB/ /TG100



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RAIL  
BOXES

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CONTROL  
STATIONS

DIECAST  
& METAL  
BOXES

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INSTRUMENT  
CASES

POTTING  
BOXES

19"  
ENCLOSURES

19"  
SUBRACKS

CUSTOM  
SIZED  
ENCLOSURES

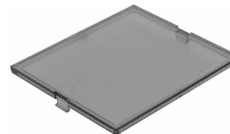
CUSTOM  
SERVICES

# DIN RAIL BOXES

## Standard Covers

| RED<br>TRANSPARENT | SMOKED<br>TRANSPARENT | CLEAR<br>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/PR         | CNMB/12/PS            | CNMB/12/PC           | CNMB/12/PG | 12   |

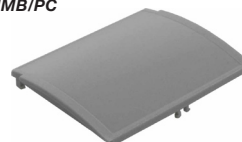
CNMB/P



## Curved Covers

| RED<br>TRANSPARENT | SMOKED<br>TRANSPARENT | CLEAR<br>TRANSPARENT | GREY       | SIZE |
|--------------------|-----------------------|----------------------|------------|------|
| CNMB/1/PRC         | CNMB/1/PSC            | CNMB/1/PCC           | CNMB/1/PGC | 1    |
| 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    |

CNMB/PC

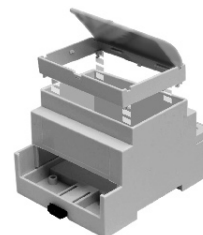


## Extended Height Module

- 16mm high
- Accepts hinged, curved lid
- Adds an additional horizontal PCB slot

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

CNMB/E



## Curved Hinged Covers

- for use with extended module only

| RED<br>TRANSPARENT | CLEAR<br>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    |

CNMB/HPC



Kits of the most frequently used components are available to order.

Each kit contains one grey panel cover and selection of solid and perforated terminal guards.

|                    |              | EXTENSION |          |       |        |
|--------------------|--------------|-----------|----------|-------|--------|
|                    | COMPONENT    | COVER     | TERMINAL | GUARD | 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*    | -      |
| EXTENDED<br>HEIGHT | CNMB/12/KIT  | 1         | 8*       | 4*    | -      |
|                    | /HPCC        |           |          |       |        |
|                    | CNMB/1E/KIT  | 1         | 2        | 1     | 1      |
|                    | 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/12E/KIT | 1         | 8*       | 4*    | 1      |

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

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

Where a box has only one open side (e.g. CNMB/5/1) no solid terminal guards are supplied.