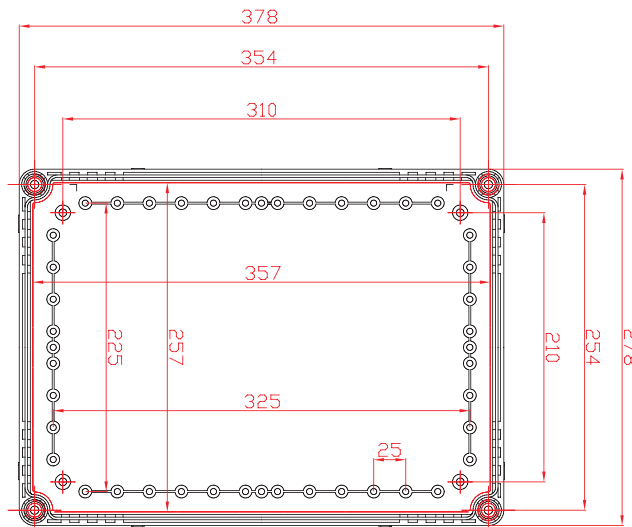


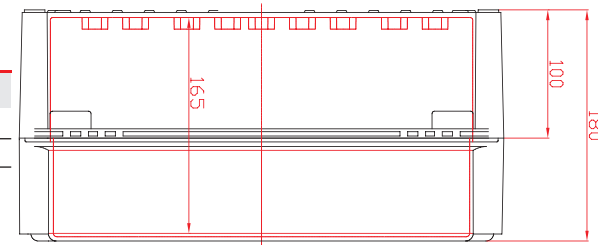
ENCLOSURES



Size 380 X 280 X 180
(H X W X D mm)



| Type of Enclosure | Cover Colour | Material Type | Article No. |
|-------------------|--------------|---------------|-------------|
| HE-ABS 3828 18G | Grey | ABS | 01 1 700581 |
| HE-PC 3828 18G | Grey | PC | 01 17 00597 |



| Height X Width X Depth | mm | 380 X 230 X 180 | 380 X 230 X 180 |
|------------------------------|----|-----------------|----------------------|
| Material | | ABS | Polycarbonate |
| Base colour | | Grey | Grey |
| Cover colour | | Grey | Grey |
| Cover screws material | | Polyamide | Polyamide |
| Cover screws colour | | Grey | Grey |
| Gasket material | | Silicon | Silicon |
| Technical Information | | | |
| Rating | | | |
| Ingress Protection | | IP 66/67 | IP 66/67 |
| Impact Resistance | | IK 07 | IK 08 |

Common applications:

- Push button enclosures
- Electronic and instrumentation enclosures
- Terminal enclosures, Junction boxes
- Power Distribution Enclosures
- Krone Enclosures

Benefits:

- Easy machining with normal tools
- Easy colouring through pigmentation
- Low weight
- Good resistance to chemical attack
- Excellent insulating properties

ENCLOSURES



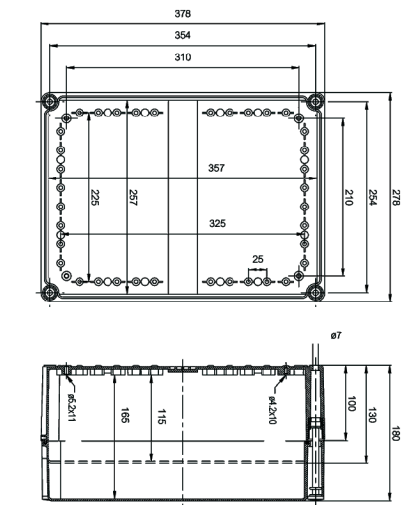
Size 380 X 280 X 180
(H X W X D mm)



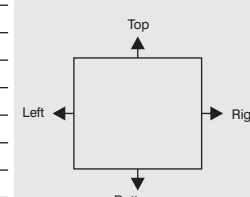
| Type of Enclosure | Cover Colour | Material Type | Article No. |
|-------------------|--------------|---------------|-------------|
| HE-ABS 3828 18T | Transparent | ABS | 01 17 00589 |
| HE-PC 3828 18T | Transparent | PC | 01 17 00605 |

Options for Customised Solutions Cable Glands (Trinity-Jacob)

| Type | Left | Right | Top | Bottom |
|---------|------|-------|-----|--------|
| PG 7 | 27 | 27 | 36 | 36 |
| PG 9 | 21 | 21 | 31 | 31 |
| PG 11 | 14 | 14 | 20 | 20 |
| PG 13.5 | 12 | 12 | 18 | 18 |
| PG 16 | 12 | 12 | 16 | 16 |
| PG 21 | 9 | 9 | 13 | 13 |
| PG 29 | 4 | 4 | 6 | 6 |
| M12 | 18 | 18 | 31 | 31 |
| M16 | 12 | 12 | 20 | 20 |
| M20 | 12 | 12 | 16 | 16 |
| M25 | 10 | 10 | 12 | 12 |
| M32 | 4 | 4 | 6 | 6 |
| M40 | 3 | 3 | 5 | 5 |
| M50 | 2 | 2 | 4 | 4 |
| M63 | 2 | 2 | 3 | 3 |

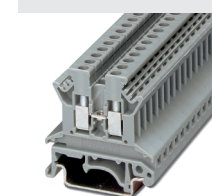


| Total Quantity | Number |
|----------------|--------|
| PG 7 | 126 |
| PG 9 | 104 |
| PG 11 | 68 |
| PG 13.5 | 60 |
| PG 16 | 56 |
| PG 21 | 44 |
| PG 29 | 20 |
| M12 | 98 |
| M16 | 64 |
| M20 | 56 |
| M25 | 44 |
| M32 | 20 |
| M40 | 16 |
| M50 | 12 |
| M63 | 10 |



Terminal Block (Phoenix Contact)

| Type | Number | Wire Size mm | Amp. Rating |
|---------|--------|--------------|-------------|
| UK 2.5N | 60 | 0.2-2.5 | 24 |
| UK 5N | 50 | 0.2-4 | 41 |
| UK6N | 38 | 0.2-6 | 57 |
| UK 10N | 30 | 0.5-10 | 76 |
| UK 16N | 25 | 4-10 | 101 |
| UIK 16N | 25 | 4-16 | 101 |



Push Button

| Type | Number |
|---------|--------|
| 22.5 mm | 40 Nos |
| 30 mm | 40 Nos |

MCB

| Type | Number |
|-------------|--------|
| Single Pole | 19 |

DIN Mounting Rail (Trinity Touch)

| Type | Max. Length for enclosure | Article No. |
|------------------------|---------------------------|-------------|
| TDR2-35/7.5 Perforated | 110mm | 01 17 00271 |
| TDR2-15/5.5 Perforated | 110mm | 01 17 00254 |
| TDR3-35/7.5 Perforated | 110mm | 01 17 00283 |
| TDR3-15/5.5 Perforated | 110mm | 01 17 00279 |



RAIL CURRENT CARRYING CAPACITY

| Rail | Material | Current (A) | Wire size AWG | mm2 |
|---------------------|----------|-------------|---------------|-----|
| 35/7.5 (Slotted) | Steel | 65 | 8 | 10 |
| 35/7.5 (Un Slotted) | Steel | 87 | 6 | 16 |
| 35/15 (Slotted) | Steel | 125 | 4 | 25 |
| 35/15 (Un Slotted) | Steel | 125 | 4 | 25 |
| 15/5.5 (Slotted) | Steel | 35 | 12 | 4 |
| 15/5.5 (Un Slotted) | Steel | 47 | 10 | 6 |

| Difference between TDR2 and TDR3 series DIN Rails | | | | |
|---|----------------------------------|-------|-------|---------|
| S.No. | Properties | Unit | TDR2 | TDR3 |
| 1 | Tensile Strength | N/mm2 | 270 | 320-410 |
| 2 | Elongation | N/mm2 | 28% | 30-36% |
| 3 | Hardness | HRB | 50 | |
| 4 | Elastic Limit | N/mm2 | ----- | 230-280 |
| 5 | SST stability Red Rust (Minimum) | Hours | 240 | 350 |

About Mounting DIN Rails

- Most of the electrical accessories are designed to mount on rails that can be fixed easily on panel boards and equipments.
- Mounting rails made of steel in accordance (DIN 60715) are available in Zinc plated and thick film trivalent chrome passivated. The base metal as steel used for DIN rails as per EN10130. Due to high mechanical strength & durability, high corrosion prohibitive plating and lead free (Confirms to RoHS compliance) provides the best solution for general applications.
- These rails are often used as grounding bars. The current carrying capacity of these rails and the copper wire sizes required to carry that current are given below.
- The 35/7.5 high rail is suitable for the majority of application and is the more cost effectiveness.
- When heavy components like large PLC's, Transformers, MPCBS, heavy contactors and relays has to be mount than 35/15 rail is more suitable.
- The 15/5.5 rail is more than half width of 35/7.5 is used for mounting of terminal blocks in confined spaces.

TRIBOX™ Heavy 3828

ENCLOSURES






Socket / Plug

| Type | Number |
|--------------|--------|
| 16A - 5 PIN | 6 |
| 16A - 3 PIN | 6 |
| 32A - 5 PIN | 6 |
| 32A - 3 PIN | 6 |
| 63A - 5 PIN | 4 |
| 125A - 5 PIN | 4 |

Size 380 X 280 X 180 (H X W X D mm)

ACCESSORIES

Ordering Data For Accessories

| Mounting Plate | Type | Article No. | |
|---|---------------|--------------|---|
| Mounting Plate CRCA Sheet Thickness 1.5mm Zinc Plated | Heavy MP 3828 | 01 17 00620 |  |
| Mounting Clamp Mounting Clamp CRCA Sheet Thickness 3 mm Zinc Plated | Heavy MC 3828 | 01 17 00621 |  |
| Hinge Hinge Material Plastic Hinge Colour Grey | | 01 17 00625 |  |
| Cover Screw Polyamide Grey Colour | | 01 17 006913 |  |
| Window Window Material Plastic Window Colour Transparent | | 01 17 00909 |  |

Existing Customised Solutions

| Existing Customised Solutions of Terminal Block Enclosure | | | | | |
|---|-------------|-------------------|--------|----------------|------|
| Description | Article No. | DIN Mounting Rail | | Terminal Block | |
| | | Type | Qty. | Type | Qty. |
| CS-ABS 3828-50-9 | 01 17 00023 | TDR2-35/7.5 | 350 MM | UKH 50 | 9 |

| Existing Customised Solutions of Industrial Socket & Plug Enclosure | | | | | | | | | | | |
|---|-------------|-------------------|--------|----------------|-----|-------------|-----|-----|--------------------------|-----|--------|
| Description | Article No. | DIN mounting rail | | Terminal block | | Cable gland | | | Industrial socket & plug | | Window |
| | | Type | Qty | Type | Qty | Type | Qty | MCB | Type | Qty | |
| CS-3828-3MENN-WINDOW | 01 17 00078 | TDR2-35/7.5 | 250 MM | | | | | | 16A,3P | 2 | |
| CS-3828-95-9 | 01 17 00024 | TDR2-35/7.5 | 350 MM | UKH 95 | 9 | | | | 63A,5P | 1 | Window |
| CS-3828-209-WINDOW | 01 17 00127 | TDR2-35/7.5 | 250 MM | UK 10N | 1 | | | | 63A,5P | 1 | Window |
| CS-3828-1155-WINDOW | 01 17 00042 | TDR2-35/7.5 | 250 MM | UK 10N | 1 | | | 4 | 63A,5P | 1 | Window |
| CS-ABS 3828-63A,5PIN | 01 17 00371 | TDR2-35/7.5 | 250 MM | UK 35 | 4 | PG 36 | 1 | 4 | 63A,5P | 1 | Window |
| CS-ABS 3828 G-16A-INTERLOCK | 01 17 00373 | TDR2-35/7.5 | 250 MM | UK 5N | 3 | PG 9 | 1 | | 16A, 3P, INTERLOCK | 1 | |

Above mentioned article numbers are our existing solutions in TRIBOX™ Basic 3828 enclosures. For application details refer:

| Customised Applications | Page Nos. |
|--|-----------|
| Customised solutions of terminal block enclosure | 141 |
| Customised solutions of industrial socket & plug enclosure | 141,142 |
| Tailor drilled cable gland holes | 142,143 |