

# VYNCO T-WREX



INDUSTRIAL SWITCHGEAR

***TOUGHEST SKIN  
ON THE MARKET***

**IP66**

# VYNCO T-WREX

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# CHEMICAL RESISTANT AS STANDARD

After considerable research and development and working with our materials suppliers, we have formulated a co-polymer material with high impact strength that also delivers in a multitude of harsh environments.

Vynco delivers a product range that is resistant to most chemicals found in industrial and commercial situations.

NO SPECIAL ORDERS.  
NO ADDED COST.  
OPTIMUM VALUE ONLY.



## Pin Configurations

The individual product tables link back to this table to make options clear and product selection easy.

**A** 10A 250V



**B** 15A 250V



**C** 20A 250V



**D** 32A 250V



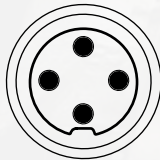
**E** 16A 500V



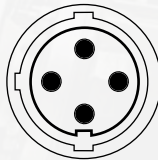
**F** 20A 500V



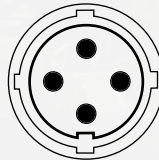
**G** 32A 500V



**H** 40A 500V



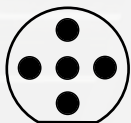
**I** 50A 500V



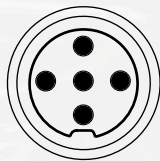
**G** 16A 500V



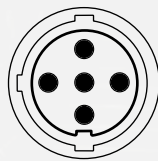
**K** 20A 500V



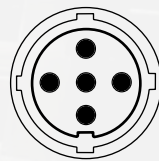
**L** 32A 500V



**M** 40A 500V



**N** 50A 500V



A close-up photograph of industrial machinery, featuring a complex network of polished stainless steel pipes, elbows, and cylindrical components. The lighting is dramatic, highlighting the metallic textures and creating deep shadows. A prominent yellow horizontal bar is positioned at the top of the image, with a small arrowhead pointing left. The text 'INDUSTRIAL STRENGTH PLUGS, SWITCHES, SOCKETS & CONNECTORS' is overlaid in a bold, yellow, sans-serif font on the right side of the image.

**INDUSTRIAL  
STRENGTH  
PLUGS,  
SWITCHES,  
SOCKETS &  
CONNECTORS**

# STRAIGHT PLUGS

# IP66



| General Information |             |                  | Socket Data            |  |                          |                          |                       |                                   |              |
|---------------------|-------------|------------------|------------------------|--|--------------------------|--------------------------|-----------------------|-----------------------------------|--------------|
| Current Rating (A)  | Pin Config. | Pin Config. Code | Terminal Size (mm dia) | Max. Conductor Size (mm <sup>2</sup> ) | Min. Cable Diameter (mm) | Max. Cable Diameter (mm) | Gland Nut Thread (mm) | Socket / Extension socket to Suit | Product Code |
| <b>3 Pin 250V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 10A                 | 3 Flat      | A                | —                      | 2.5                                    | 7                        | 12.5                     | M20x1.5               | VCS310 / VS0310                   | VP310        |
| 15A                 | 3 Flat      | B                | —                      | 2.5                                    | 7                        | 12.5                     | M20x1.5               | VCS315 / VS0315                   | VP315        |
| 20A                 | 3 Round     | C                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS320 / VS0320                   | VP320        |
| 32A                 | 3 Round     | D                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS332 / VS0332                   | VP332        |
| <b>4 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 16A                 | 4 Round     | E                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS416 / VS0416                   | VP416        |
| 20A                 | 4 Round     | F                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS420 / VS0420                   | VP420        |
| 32A                 | 4 Round     | G                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VCS432 / VS0432                   | VP432        |
| 40A                 | 4 Round     | H                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS440 / VS0440                   | VP440        |
| 50A                 | 4 Round     | I                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS450 / VS0450                   | VP450        |
| <b>5 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 16A                 | 5 Round     | J                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS516 / VS0516                   | VP516        |
| 20A                 | 5 Round     | K                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS520 / VS0520                   | VP520        |
| 32A                 | 5 Round     | L                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VCS532 / VS0532                   | VP532        |
| 40A                 | 5 Round     | M                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS540 / VS0540                   | VP540        |
| 50A                 | 5 Round     | N                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS550 / VS0550                   | VP550        |

# ANGLED PLUGS

# IP66



| General Information |             |                  | Socket Data            |  |                          |                          |                       |                                   |              |
|---------------------|-------------|------------------|------------------------|--|--------------------------|--------------------------|-----------------------|-----------------------------------|--------------|
| Current Rating (A)  | Pin Config. | Pin Config. Code | Terminal Size (mm dia) | Max. Conductor Size (mm <sup>2</sup> ) | Min. Cable Diameter (mm) | Max. Cable Diameter (mm) | Gland Nut Thread (mm) | Socket / Extension socket to Suit | Product Code |
| <b>3 Pin 250V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 20A                 | 3 Round     | C                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS320 / VS0320                   | VPA320       |
| 32A                 | 3 Round     | D                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS332 / VS0332                   | VPA332       |
| <b>4 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 16A                 | 4 Round     | E                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS416 / VS0416                   | VPA416       |
| 20A                 | 4 Round     | F                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS420 / VS0420                   | VPA420       |
| 32A                 | 4 Round     | G                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VCS432 / VS0432                   | VPA432       |
| 40A                 | 4 Round     | H                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS440 / VS0440                   | VPA440       |
| 50A                 | 4 Round     | I                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS450 / VS0450                   | VPA450       |
| <b>5 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                                   |              |
| 16A                 | 5 Round     | J                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS516 / VS0516                   | VPA516       |
| 20A                 | 5 Round     | K                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VCS520 / VS0520                   | VPA520       |
| 32A                 | 5 Round     | L                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VCS532 / VS0532                   | VPA532       |
| 40A                 | 5 Round     | M                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS540 / VS0540                   | VPA540       |
| 50A                 | 5 Round     | N                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VCS550 / VS0550                   | VPA550       |

# CORD CONNECTORS

# IP66



| General Information |             |                  | Socket Data            |  |                          |                          |                       |                |              |
|---------------------|-------------|------------------|------------------------|--|--------------------------|--------------------------|-----------------------|----------------|--------------|
| Current Rating (A)  | Pin Config. | Pin Config. Code | Terminal Size (mm dia) | Max. Conductor Size (mm <sup>2</sup> ) | Min. Cable Diameter (mm) | Max. Cable Diameter (mm) | Gland Nut Thread (mm) | Plug to Suit   | Product Code |
| <b>3 Pin 250V</b>   |             |                  |                        |  |                          |                          |                       |                |              |
| 10A                 | 3 Flat      | A                | —                      | 2.5                                    | 7                        | 12.5                     | M20x1.5               | VP310          | VCS310       |
| 15A                 | 3 Flat      | B                | —                      | 2.5                                    | 7                        | 12.5                     | M20x1.5               | VP315          | VCS315       |
| 20A                 | 3 Round     | C                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP320 / VPA320 | VCS320       |
| 32A                 | 3 Round     | D                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP332 / VPA332 | VCS332       |
| <b>4 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                |              |
| 16A                 | 4 Round     | E                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP416 / VPA416 | VCS416       |
| 20A                 | 4 Round     | F                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP420 / VPA420 | VCS420       |
| 32A                 | 4 Round     | G                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VP432 / VPA432 | VCS432       |
| 40A                 | 4 Round     | H                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VP440 / VPA440 | VCS440       |
| 50A                 | 4 Round     | I                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VP450 / VPA450 | VCS450       |
| <b>5 Pin 500V</b>   |             |                  |                        |  |                          |                          |                       |                |              |
| 16A                 | 5 Round     | J                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP516 / VPA516 | VCS516       |
| 20A                 | 5 Round     | K                | 4.1                    | 10                                     | 7                        | 16                       | M25x1.5               | VP520 / VPA520 | VCS520       |
| 32A                 | 5 Round     | L                | 4.1                    | 10                                     | 9                        | 28                       | M32x1.5               | VP532 / VPA532 | VCS532       |
| 40A                 | 5 Round     | M                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VP540 / VPA540 | VCS540       |
| 50A                 | 5 Round     | N                | 5.5                    | 25                                     | 9                        | 28                       | M32x1.5               | VP550 / VPA550 | VCS550       |



# SWITCHED SOCKETS

# IP66



| General Information |             |                  |           | Switch Data     |                 |                 |          |  |  | Socket Data                            |  | Plug to Suit   | Product Code |
|---------------------|-------------|------------------|-----------|-----------------|-----------------|-----------------|----------|--|--|--|--|----------------|--------------|
| Current Rating (A)  | Pin Config. | Pin Config. Code | Enclosure | AC21 Rating (A) | AC22 Rating (A) | AC23 Rating (A) | M Rating | Min. Conductor Size (mm <sup>2</sup> ) | Max. Conductor Size (mm <sup>2</sup> ) | Min. Conductor Size (mm <sup>2</sup> ) | Max. Conductor Size (mm <sup>2</sup> ) |                |              |
| <b>3 Pin 250V</b>   |             |                  |           |                 |                 |                 |          |  |  |  |  |                |              |
| 10A                 | 3 Flat      | A                | VE2S      | 10              | 10              | 10              | M80      | 1.5                                    | 6                                      | 1.5                                    | 6                                      | VP310          | VCV310       |
| 15A                 | 3 Flat      | B                | VE2S      | 15              | 15              | 15              | M80      | 1.5                                    | 6                                      | 1.5                                    | 6                                      | VP315          | VCV315       |
| 20A                 | 3 Round     | C                | VE2       | 20              | 20              | 20              | M150     | 6                                      | 16                                     | 2.5                                    | 6                                      | VP320 / VPA320 | VCV320       |
| 32A                 | 3 Round     | D                | VE2       | 32              | 32              | 28              | M180     | 6                                      | 16                                     | 6                                      | 16                                     | VP332 / VPA332 | VCV332       |
| <b>4 Pin 500V</b>   |             |                  |           |                 |                 |                 |          |  |  |  |  |                |              |
| 16A                 | 4 Round     | E                | VE2       | 16              | 16              | 16              | M100     | 6                                      | 16                                     | 1.5                                    | 6                                      | VP416 / VPA416 | VCV416       |
| 20A                 | 4 Round     | F                | VE2       | 20              | 20              | 20              | M150     | 6                                      | 16                                     | 1.5                                    | 6                                      | VP420 / VPA420 | VCV420       |
| 32A                 | 4 Round     | G                | VE2       | 32              | 32              | 28              | M180     | 6                                      | 16                                     | 2.5                                    | 6                                      | VP432 / VPA432 | VCV432       |
| 40A                 | 4 Round     | H                | VE2       | 40              | 40              | 35              | M200     | 10                                     | 25                                     | 6                                      | 16                                     | VP440 / VPA440 | VCV440       |
| 50A                 | 4 Round     | I                | VE2       | 50              | 50              | 25              | M250     | 10                                     | 25                                     | 10                                     | 16                                     | VP450 / VPA450 | VCV450       |
| <b>5 Pin 500V</b>   |             |                  |           |                 |                 |                 |          |  |  |  |  |                |              |
| 16A                 | 5 Round     | J                | VE2       | 16              | 16              | 16              | M100     | 6                                      | 16                                     | 1.5                                    | 6                                      | VP516 / VPA516 | VCV516       |
| 20A                 | 5 Round     | K                | VE2       | 20              | 20              | 20              | M150     | 6                                      | 16                                     | 1.5                                    | 6                                      | VP520 / VPA520 | VCV520       |
| 32A                 | 5 Round     | L                | VE2       | 32              | 32              | 28              | M180     | 6                                      | 16                                     | 2.5                                    | 6                                      | VP532 / VPA532 | VCV532       |
| 40A                 | 5 Round     | M                | VE2       | 40              | 40              | 35              | M200     | 10                                     | 25                                     | 6                                      | 16                                     | VP540 / VPA540 | VCV540       |
| 50A                 | 5 Round     | N                | VE2       | 50              | 50              | 25              | M250     | 10                                     | 25                                     | 10                                     | 16                                     | VP550 / VPA550 | VCV550       |

AC21Rating Resistive loads, including moderate loads

AC22 Rating Mixed resistive and inductive loads, including moderate overloads

AC23 Rating Motor loads or other highly inductive loads

# HEAVY DUTY SWITCHES

# IP56



## Switch Data

| Current Rating (A)      | AC21 Rating (A) | AC22 Rating (A) | AC23 Rating (A) | M Rating | Min. Conductor Size (mm <sup>2</sup> ) | Max. Conductor Size (mm <sup>2</sup> ) | Product Code |
|-------------------------|-----------------|-----------------|-----------------|----------|--|--|--------------|
| <b>Single Pole 250V</b> |                 |                 |                 |          |  |  |              |
| 10A                     | 10              | 10              | 10              | M80      | 1.5                                    | 6                                      | VSW110       |
| 16A                     | 16              | 16              | 16              | M120     | 20.5                                   | 6                                      | VSW116       |
| 20A                     | 20              | 20              | 20              | M150     | 2.5                                    | 6                                      | VSW120       |
| 32A                     | 32              | 32              | 28              | M180     | 6                                      | 16                                     | VSW132       |
| 50A                     | 50              | 50              | 25              | M250     | 10                                     | 25                                     | VSW150       |
| <b>Double Pole 250V</b> |                 |                 |                 |          |  |  |              |
| 10A                     | 10              | 10              | 10              | M150     | 2.5                                    | 16                                     | VSW210       |
| 16A                     | 16              | 16              | 16              | M150     | 2.5                                    | 16                                     | VSW216       |
| <b>Double Pole 500V</b> |                 |                 |                 |          |  |  |              |
| 20A                     | 20              | 20              | 20              | M150     | 2.5                                    | 16                                     | VSW220       |
| 32A                     | 32              | 32              | 28              | M180     | 6                                      | 16                                     | VSW232       |
| 40A                     | 40              | 40              | 40              | M200     | 10                                     | 16                                     | VSW240       |
| 50A                     | 50              | 50              | 25              | M250     | 10                                     | 16                                     | VSW250       |
| 63A                     | 63              | 63              | 25              | M300     | 10                                     | 25                                     | VSW263       |
| <b>Triple Pole 500V</b> |                 |                 |                 |          |  |  |              |
| 10A                     | 10              | 10              | 10              | M100     | 2.5                                    | 16                                     | VSW310       |
| 16A                     | 16              | 16              | 16              | M120     | 2.5                                    | 16                                     | VSW316       |
| 20A                     | 20              | 20              | 20              | M150     | 2.5                                    | 16                                     | VSW320       |
| 32A                     | 32              | 32              | 28              | M180     | 6                                      | 16                                     | VSW332       |
| 40A                     | 40              | 40              | 25              | M200     | 10                                     | 25                                     | VSW340       |
| 50A                     | 50              | 50              | 25              | M250     | 10                                     | 25                                     | VSW350       |
| 63A                     | 63              | 63              | 25              | M300     | 10                                     | 25                                     | VSW363       |

AC21 Rating Resistive loads, including moderate loads

AC22 Rating Mixed resistive and inductive loads, including moderate overloads

AC23 Rating Motor loads or other highly inductive loads

# HEAVY DUTY SOCKETS

# IP66



| General Information |             |                  |           | Socket Data                            |  |                |              |
|---------------------|-------------|------------------|-----------|--|--|----------------|--------------|
| Current Rating (A)  | Pin Config. | Pin Config. Code | Enclosure | Min. Conductor Size (mm <sup>2</sup> ) | Max. Conductor Size (mm <sup>2</sup> ) | Plug to Suit   | Product Code |
| <b>3 Pin 250V</b>   |             |                  |           |  |  |                |              |
| 10A                 | 3 Flat      | A                | VE1S      | 1.5                                    | 6                                      | VP310          | VS0310       |
| 15A                 | 3 Flat      | B                | VE1S      | 1.5                                    | 6                                      | VP315          | VS0315       |
| 20A                 | 3 Round     | C                | VE2       | 2.5                                    | 6                                      | VP320 / VPA320 | VS0320       |
| 32A                 | 3 Round     | D                | VE1       | 6                                      | 16                                     | VP332 / VPA332 | VS0332       |
| <b>4 Pin 500V</b>   |             |                  |           |  |  |                |              |
| 16A                 | 4 Round     | E                | VE1       | 1.5                                    | 6                                      | VP416 / VPA416 | VS0416       |
| 20A                 | 4 Round     | F                | VE1       | 1.5                                    | 6                                      | VP420 / VPA420 | VS0420       |
| 32A                 | 4 Round     | G                | VE1       | 2.5                                    | 6                                      | VP432 / VPA432 | VS0432       |
| 40A                 | 4 Round     | H                | VE1       | 6                                      | 16                                     | VP440 / VPA440 | VS0440       |
| 50A                 | 4 Round     | I                | VE1       | 10                                     | 16                                     | VP450 / VPA450 | VS0450       |
| <b>5 Pin 500V</b>   |             |                  |           |  |  |                |              |
| 16A                 | 5 Round     | J                | VE1       | 1.5                                    | 6                                      | VP516 / VPA516 | VS0516       |
| 20A                 | 5 Round     | K                | VE1       | 1.5                                    | 6                                      | VP520 / VPA520 | VS0520       |
| 32A                 | 5 Round     | L                | VE1       | 2.5                                    | 6                                      | VP532 / VPA532 | VS0532       |
| 40A                 | 5 Round     | M                | VE1       | 6                                      | 16                                     | VP540 / VPA540 | VS0540       |
| 50A                 | 5 Round     | N                | VE1       | 10                                     | 16                                     | VP550 / VPA550 | VS0550       |

# COVERS

# IP66



## General Information

| Description | Depth (mm) | Width (mm) | Height (mm) | Conduit Entries | Product Code |
|-------------|------------|------------|-------------|-----------------|--------------|
|-------------|------------|------------|-------------|-----------------|--------------|

## Enclosures/Bases



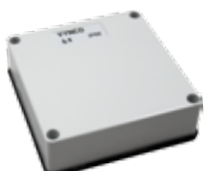
|                         |    |     |     |             |      |
|-------------------------|----|-----|-----|-------------|------|
| 1 Module Base           | 63 | 101 | 101 | 3x25        | VE1  |
| 1 Module Base (Shallow) | 42 | 101 | 101 | 1x25 / 2x20 | VE1S |
| 2 Module Base           | 63 | 101 | 198 | 3x25        | VE2  |
| 2 Module Base (Shallow) | 42 | 101 | 198 | 1x25 / 2x20 | VE2S |
| 3 Module Base           | 63 | 101 | 294 | 2x25 / 1x32 | VE3  |
| 4 Module Base (Square)  | 63 | 198 | 198 | 4x25        | VE4  |

## Din Mount Covers



|                      |      |
|----------------------|------|
| 4 Pole DIN Enclosure | VCB4 |
| 8 Pole DIN Enclosure | VCB8 |

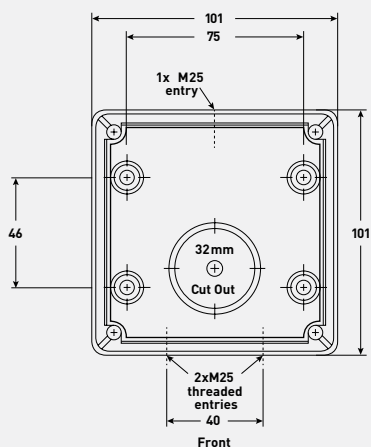
## Lids



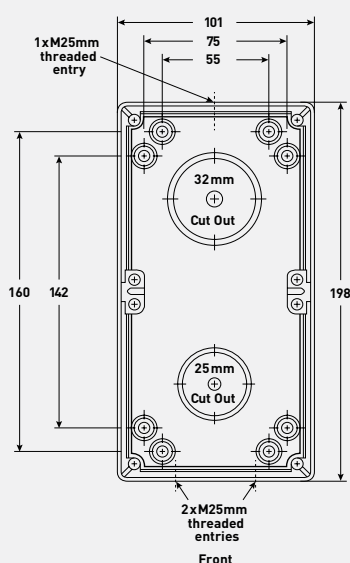
|              |     |
|--------------|-----|
| 1 Module Lid | VL1 |
| 2 Module Lid | VL2 |

# ENCLOSURE DIMENSIONS

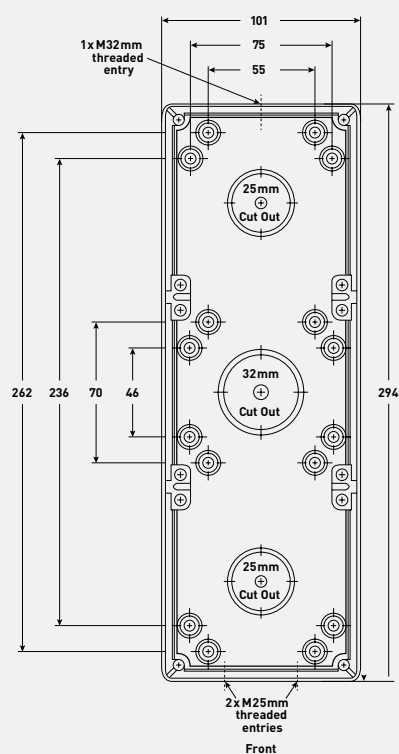
Single Gang  
Depth 63mm



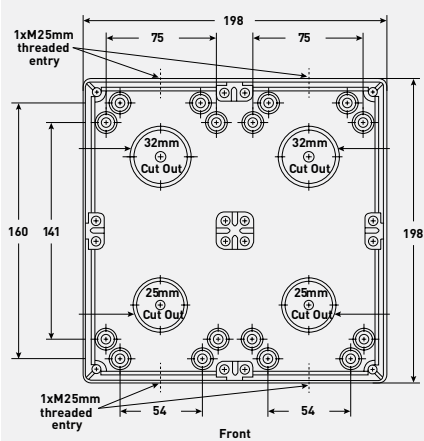
Two Gang  
Depth 63mm



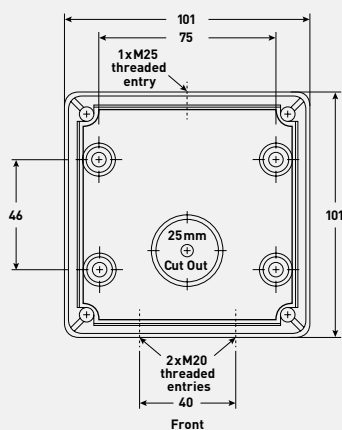
Three Gang  
Depth 63mm



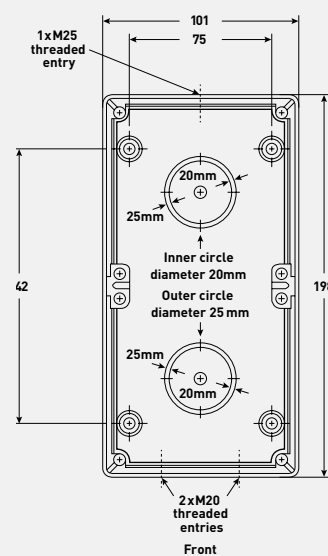
Four Gang  
Depth 63mm



Single Gang / Shallow  
Depth 43mm



Two Gang / Shallow  
Depth 43mm












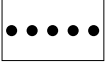


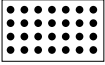


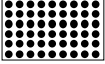


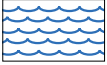
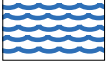
# CHEMICAL RESISTANCE

| Product Type:                    | Enclosures                          | Housings for Switches, Sockets & Plugs, Flaps & Switch Knobs |           |
|----------------------------------|-------------------------------------|--|-----------|
| Product colour:                  | Grey                                | Grey, orange and transparent                                 |           |
| <b>Acids</b>                     |                                     |  |           |
| Weak Solutions                   | Hydrochloric 10%                    | Excellent  | Excellent |
|                                  | Nitric 10%                          | Excellent  | Excellent |
| Concentrate                      | Sulphuric 100%                      | Excellent  | Poor      |
| <b>Alkalis</b>                   |                                     |  |           |
| Weak Solutions                   | Sodium Hydroxide 10% (Caustic Soda) | Excellent  | Good      |
| Concentrate                      | Potassium Hydroxide 100%            | Excellent-Good   | Poor      |
| <b>Automotive</b>                |                                     |  |           |
|                                  | Petroleum                           | Excellent  | Excellent |
|                                  | Lubricating Oils                    | Excellent  | Excellent |
|                                  | Hydraulic Oil                       | Excellent  | Excellent |
| <b>Solvents</b>                  |                                     |  |           |
| Aliphatic Hydrocarbons (Alkanes) | Methane                             | Good   | Excellent |
|                                  | Propane                             | Excellent  | Excellent |
| Alcohols                         | Ethylene Glycol                     | Excellent  | Excellent |
|                                  | Glycerol (Glycerin)                 | Excellent  | Good      |
|                                  | Methyl Alcohol (Methanol)           | Excellent  | Good      |
|                                  | Ethyl Alcohol (Ethanol)             | Excellent  | Excellent |
| Amines                           | Aniline                             | Poor   | Poor      |
| Aromatic Hydrocarbons            | Methyl Benzene                      | Poor   | Good      |
|                                  | Xylene                              | Poor   | Good      |
| Ethers                           | Dimethyl Ethyl                      | Excellent  | Excellent |
| Ketones                          | Acetone                             | Excellent  | Poor      |
|                                  | Acetophenone                        | Poor   | Poor      |
|                                  | Ethyl Methyl Ketone                 | Poor   | Poor      |
| <b>Miscellaneous</b>             |                                     |  |           |
|                                  | Detergent                           | Excellent  | Excellent |
| Inorganic Salts                  | Magnesium Sulphate                  | Excellent  | Excellent |
| <b>Oxidising Agents</b>          |                                     |  |           |
| Weak Solution                    | Sodium Hypochlorite 5%              | Excellent  | Excellent |
| Strong Solution                  | Hydrogen Peroxide 30%               | Excellent  | Excellent |
| <b>Water</b>                     |                                     |  |           |
|                                  | Ambient                             | Excellent  | Excellent |
|                                  | Heated >60oC                        | Fair   | Good      |
|                                  | Steam                               | Poor   | Poor      |

The advice in this table should only be used as a guide.

Suitability of the products for particular environments should be confirmed prior to installation.

# INDUSTRIAL STRENGTH PROTECTION

| IP RATING                        |  | IK RATING                |  |                                      |   |
|----------------------------------|--|--------------------------|--|--------------------------------------|---|
| Protection against solid objects |  | Protection against water |  | Protection against mechanical impact |   |
| 0                                | Non-protected  | 0                        | Non-protected  | 00                                   | Non-protected   |
| 1                                |  Protected against solid objects up to 50 mm    | 1                        |  Protected against vertically falling water drops                                 | 01-05                                |  Impact <1 joule   |
| 2                                |  Protected against solid objects up to 12.5 mm  | 2                        |  Protected against vertically falling water drops when enclosure tilted up to 15° | 06                                   |  Impact 1 joule    |
| 3                                |  Protected against solid objects up to 2.5 mm  | 3                        |  Protected against spraying water  | 07                                   |  Impact 2 joule   |
| 4                                |  Protected against solid objects up to 1.0 mm | 4                        |  Protected against splashing water  | 08                                   |  Impact 5 joule  |
| 5                                |  Dust-protected                               | 5                        |  Protected against water jets   | 09                                   |  Impact 10 joule |
| 6                                |  Dust-tight protected                         | 6                        |  Protected against powerful water jets  | 10                                   |  Impact 20 joule |
|                                  |  | 7                        |  Protected against the effects of immersion between 15cm and 1m during 30min    |                                      |   |
|                                  |  | 8                        |  Protected against the effect of continuous immersion under pressure            |                                      |   |

- Impervious to the ingress of dust.
- Minimum protection level of IP56.
- Impact resistance rating of up to IK9. ie. Drop of 5kg object from 20 cm height or 10J impact energy