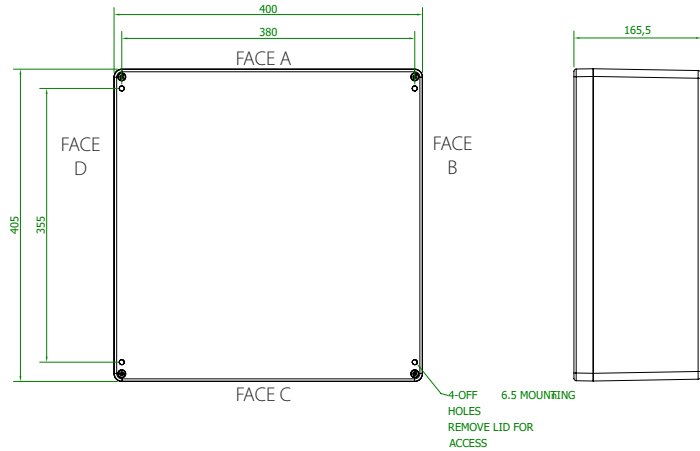




MADE IN BRITAIN

# PL644

Increased Safety Exe Dual Certified ATEX/ IECEx



International Approvals



Offering the ultimate in robust GRP construction, the globally certified PL644 is ideal for use in Zones 1 and 21. The PL644 enclosure offers easy installation, superior corrosion resistance, wide operating temperature range and excellent Ingress Protection.

| Terminal Capacity |                                   |      |           |                  |                                |          |      |                                      |      |
|-------------------|-----------------------------------|------|-----------|------------------|--------------------------------|----------|------|--------------------------------------|------|
| Terminal Type     | Conductor Size (mm <sup>2</sup> ) |      | Max Volts | Rail Orientation | Max. Physical Terminal Content |          |      | Reduced Terminal Content at Max Amps |      |
|                   | Min.                              | Max. |           |                  | Terminal Qty                   | Rail Qty | Amps | Terminal Qty                         | Amps |
|                   |                                   |      |           |                  |                                |          |      |                                      |      |
| WDU 2.5           | 0.5                               | 2.5  | 690       | V/H              | 171                            | 3        | 5    | 15                                   | 17   |
| UT 2.5            | 0.14                              | 2.5  | 690       | V/H              | 168                            |          | 5    | 20                                   | 15   |
| WDU 4             | 0.5                               | 4    | 690       | V/H              | 144                            |          | 7    | 15                                   | 22   |
| UT 4              | 0.14                              | 4    | 690       | V/H              | 138                            |          | 7    | 18                                   | 20   |
| WDU 6             | 0.5                               | 6    | 690       | V/H              | 108                            |          | 10   | 13                                   | 29   |
| UT6               | 0.2                               | 6    | 690       | V/H              | 105                            |          | 10   | 14                                   | 28   |
| WDU 10            | 1.5                               | 10   | 690       | V/H              | 87                             |          | 14   | 11                                   | 40   |
| UT 10             | 0.5                               | 10   | 690       | V/H              | 84                             |          | 14   | 12                                   | 39   |
| WDU 16            | 1.5                               | 16   | 690       | V/H              | 69                             |          | 19   | 9                                    | 53   |
| UT 16             | 1.5                               | 16   | 690       | V/H              | 69                             |          | 19   | 9                                    | 53   |
| WDU 35            | 2.5                               | 35   | 690       | V/H              | 51                             | 2        | 31   | 7                                    | 80   |
| UT 35             | 1.5                               | 35   | 690       | V/H              | 51                             |          | 34   | 12                                   | 70   |
| WDU 50N           | 6                                 | 50   | 690       | V/H              | 30                             |          | 43   | 7                                    | 88   |
| UKH 50            | 16                                | 50   | 690       | V/H              | 26                             |          | 51   | 8                                    | 87   |
| WDU 70N           | 10                                | 70   | 690       | V/H              | 26                             |          | 53   | 4                                    | 129  |

\* Max terminals are split across the quantity of terminal rails

## FEATURES

- The Ultimate in Robust GRP Construction
- High degree of resistance to corrosive atmospheres
- Self Retaining Corrosion Resistant Stainless Steel Lid Fixing Screws prevents loss during assembly and maintenance
- Insulation resistance less than 1GΩ
- Anti-Static Properties Removes the risk of ignition sources through static induced sparking resistivity

| Technical Data                |  |
|-------------------------------|--|
| Ingress Protection            | IP66 IP67 to IEC/EN 60529  |
| Deluge Protection             | DTS01  |
| Material                      | Glass Reinforced Plastic (GRP) Natural Black Finish  |
| Service Temperature           | -60°C to +75°C   |
| Temperature Class and Ambient | T6 40°C as standard<br>Optional T5 with ambients up to 65°C<br>For additional options see technical data |
| ATEX/IECEX                    |  |
| ATEX/IECEX Protection Class   | Ex II 2 GD Ex eb IIC Gb; Ex tb IIIC Db   |
| ATEX Certificate No           | Baseefa06ATEX0117X (PL644)<br>Baseefa06ATEX0116U (ZPL644)  |
| IECEX Certificate Number      | IECEX BAS 06.0028X (PL644)<br>IECEX BAS 06.0027U (ZPL644)  |
| UKEX Certificate Number       | BAS21UKEX0047X (PL644)<br>BAS21UKEX0046U (ZPL644)  |
| Construction & Test Standards | IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31   |
| Marine Approvals              | ABS: 17-LD1653735-PDA<br>DNV: TAE00003RY<br>Bureau Veritas: 43523/A1                                     |
| Additional Certifications     | EAC: RU C-GB.HA91.B.00260/21<br>Inmetro: IEx 16.0143X<br>PESO: P457339                                   |

| Maximum Quantity of Entries Per Face |         |       |     |     |     |     |     |     |
|--------------------------------------|---------|-------|-----|-----|-----|-----|-----|-----|
| Thread Size                          | M16/M20 | M20/A | M25 | M32 | M40 | M50 | M63 | M75 |
| Face B/D                             | 26      | 26    | 20  | 12  | 9   | 4   | 3   | 3   |
| Face A/C                             | 34      | 34    | 23  | 12  | 10  | 5   | 4   | 3   |

CAUTION: Entry quantities are calculated based on standard gland diameters. Entry quantity may be affected if using accessories (locknuts, washers etc) with large diameters.

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