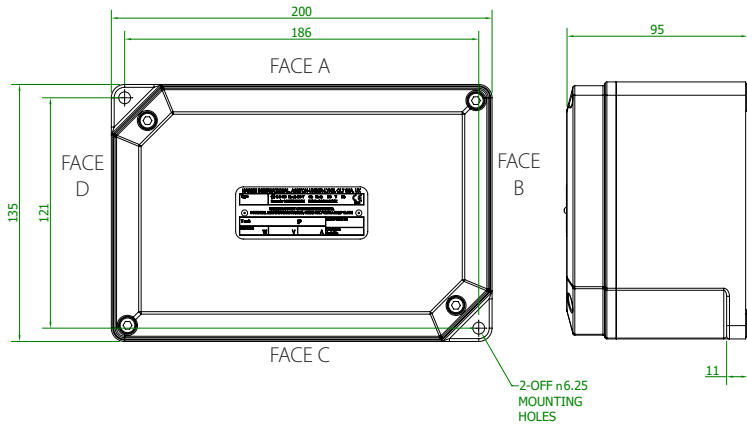




# PL520

Increased Safety Exe Dual Certified ATEX/ IECEx



Moulded from tough Glass Reinforced Plastic, the globally certified PL520 is built to withstand some of the world's most arduous environments. With a wide operating temperature, superior corrosion resistance and more, the PL520 is the ultimate in tough construction.



## 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<br>H           | 16<br>30                       | 1        | 12<br>8  | 7   | 17   |     |
| UT 2.5        | 0.14                              | 2.5   | 690       | V<br>H           | 16<br>29                       |          | 11<br>8  | 9   | 15   |     |
| WDU 4         | 0.5                               | 4   | 690       | V<br>H           | 13<br>25                       |          | 16<br>11   | 7   | 22   |     |
| UT 4          | 0.14                              | 4   | 690       | V<br>H           | 13<br>24                       |          | 16<br>12   | 8   | 20   |     |
| WDU 6         | 0.5                               | 6   | 690       | V<br>H           | 10<br>19                       |          | 23<br>16   | 6   | 29   |     |
| UT6           | 0.2                               | 6   | 690       | V<br>H           | 9<br>18                        |          | 24<br>17   | 6   | 28   |     |
| WDU 10        | 1.5                               | 10  | 690       | V<br>H           | 8<br>15                        |          | 32<br>23   | 5   | 40   |     |
| UT 10         | 0.5                               | 10  | 690       | V<br>H           | 7<br>14                        |          | 35<br>24   | 5   | 39   |     |
| HTB 6         | 0.5                               | Max. per Pillar<br>2 x 10mm <sup>2</sup><br>3 x 6mm <sup>2</sup><br>4 x 4mm <sup>2</sup><br>4 x 0.5mm <sup>2</sup><br>2 x 2.5mm <sup>2</sup> Solid<br>1 x 6.0mm <sup>2</sup> Stranded | 550       | N/A              | 1                              |          | Conductor Size mm <sup>2</sup><br>0.5<br>0.75<br>1<br>1.5<br>2.5<br>4<br>6<br>10 | Max. Amps per Pillar<br>1<br>1<br>8<br>10<br>15<br>21<br>26<br>37 | N/A  | N/A |

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

## FEATURES

- ATEX/IECEx Internationally Approved certification
- Fast Installation and Easy Inspection
- Corrosion Resistant by Design
- Multiple Lid Fixing Points
- Better Tool Access and Concealed Silicone Gasket

| Technical Data                |  |
|-------------------------------|--|
| Ingress Protection            | IP66 IP67 to IEC/EC 60529  |
| 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           | Baseefa14ATEX0268X (PL520)<br>Baseefa14ATEX0248U (ZPL520)  |
| IECEX Certificate Number      | IECEX BAS 14.0123X (PL520)<br>IECEX BAS 14.0120U (ZPL520)  |
| UKEX Certificate Number       | BAS21UKEX0032X (PL520)<br>BAS21UKEX0033U (ZPL520)  |
| Construction & Test Standards | IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31   |
| Marine Approvals              | ABS: 17-LD1653735-PDA<br>Bureau Veritas: 43523/A1  |
| Additional Certifications     | EAC: RU C-GB.HA91.B.00260/21<br>Inmetro: IEx 16.0143X<br>PESO: P457331   |
| NEC/CEC                       |  |
| NEC Protection Class          | Class I, Zone 1, AEx e IIC Gb<br>Zone 21, AEx tb IIIC T80°C Db   |
| CEC Protection Class          | Ex e IIC Gb<br>Ex tb IIIC T80°C Db   |
| c CSA us Certificate          | 70039997   |
| Construction & Test Standards | UL 50E, UL508, UL12.12.01, UL/CSA-C22.2 60079-0,UL/CSA-C22.2 60079-7,<br>UL/CSA-C22.2 60079-31, CSA-C22.2 No. 94-M91, CSA-C22.2 No. 14-M91 |

| Maximum Quantity of Entries Per Face |             |       |     |     |     |     |     |     |
|--------------------------------------|-------------|-------|-----|-----|-----|-----|-----|-----|
| Thread Size                          | M16 / M20/O | M20/A | M25 | M32 | M40 | M50 | M63 | M75 |
| Face A/C                             | 9           | 5     | 3   | 3   | -   | -   | -   | -   |
| Face B/D                             | 5           | 3     | 2   | 1   | -   | -   | -   | -   |

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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