

## P110, P240 & P145 - INDUSTRIAL PLUGS

### Description:

Mercury free, Low Voltage AC Industrial Plugs.

### Material:

Housing Material - Nylon PA6

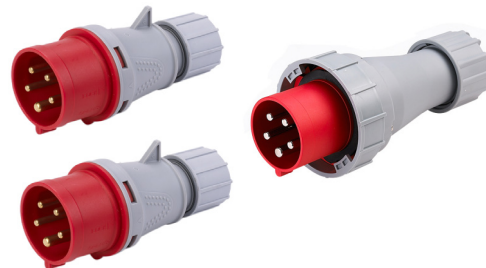
### Colour:

Housing Colour - Grey (RAL7035)

Voltage Colours - Yellow, Blue & Red

RoHS

Green Premium



## OTHER ADDITIONAL INFORMATION

### Technical Information

| Code       | Network Freq.<br>(Hz) | Rated<br>Current (A) | Rated<br>Operational<br>Voltage (V) | Ground Lug<br>Clockwise<br>Position | Sleeve<br>Material     | Connections -<br>Terminals | Cable Cross<br>Section (mm²) | Cable<br>Entry |                   |           |           |
|------------|-----------------------|----------------------|-------------------------------------|-------------------------------------|------------------------|----------------------------|------------------------------|----------------|-------------------|-----------|-----------|
| P110-16    | 50/60                 | 16                   | 110 - 130                           | 4h                                  | Nickel-Plated<br>Brass | Captive<br>Screws          | 1.0-2.5                      | Cable Gland    |                   |           |           |
| P110-16W   |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           |           |
| P110-32    |                       | 32                   | 220 - 250                           |                                     |                        |                            | 2.5 - 6.0                    |                |                   |           |           |
| P110-32W   |                       |                      | 110 - 130                           |                                     |                        |                            | 2.6 - 6.0                    |                |                   |           |           |
| P240-16    |                       | 16                   | 220 - 250                           | 6 h                                 |                        |                            | Brass                        |                | Captive<br>Screws | 1.0 - 2.5 |           |
| P240-16W   |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           |           |
| P240-32    |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           | 2.5 - 6.0 |
| P240-32W   |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           | 2.6 - 6.0 |
| P240-63W   |                       | 63                   | 6.0 - 16.0                          |                                     |                        |                            |                              |                |                   |           |           |
| P415-125W  |                       | 125                  | 16.0 - 50.0                         |                                     |                        |                            |                              |                |                   |           |           |
| P415-16    |                       | 16                   | 220/380-<br>240/415~                | Brass                               | Captive<br>Screws      |                            | 1.0 - 2.5                    |                |                   |           |           |
| P415-16W   |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           |           |
| P415-32    |                       | 32                   | 380 - 415                           | Nickel-Plated<br>Brass              | Captive<br>Screws      |                            | 2.5 - 6.0                    |                |                   |           |           |
| P415-32W   |                       |                      |                                     |                                     |                        |                            |                              |                |                   |           |           |
| 4P415-125W |                       | 125                  | 380 - 415                           | Nickel-Plated<br>Brass              | Captive<br>Screws      |                            | 16.0 - 50.0                  |                |                   |           |           |
| 4P415-16   |                       | 16                   | 2.5 - 6.0                           |                                     |                        |                            |                              |                |                   |           |           |
| 4P415-32   |                       | 32                   | 220/380-<br>240/415~                | Brass                               | Captive<br>Screws      |                            | 1.0 - 2.5                    |                |                   |           |           |
| 4P415-63W  |                       | 63                   | 380-415                             | Nickel-Plated<br>Brass              | Captive<br>Screws      |                            | 6.0 - 16.0                   |                |                   |           |           |
| P415-16    |                       | 16                   | 220/380-<br>240/415~                | Brass                               | Captive<br>Screws      |                            | 1.0 - 2.5                    |                |                   |           |           |
| P415-32    |                       | 32                   |                                     |                                     |                        |                            |                              |                | 2.5 - 6.0         |           |           |
| P415-63W   |                       | 63                   |                                     |                                     |                        |                            |                              |                | 6.0 - 16.0        |           |           |

## Environmental Information

| Code       | Standards                                                                                                                                            | IP Rating         | IK Rating | Fire Resistance                          | Ambient Air Temperature<br>re |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------------------------------------|-------------------------------|
| P110-16    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 | IK08      | 850 °C con-<br>forming to IEC 60695-2-11 | -25 - 40°C                    |
| P110-16W   | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| P110-32    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| P110-32W   | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| P240-16    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| P240-16W   | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| P240-32    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| P240-32W   | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| P240-63W   |                                                                                                                                                      |                   |           |                                          |                               |
| P415-125W  |                                                                                                                                                      |                   |           |                                          |                               |
| P415-16    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| P415-16W   |                                                                                                                                                      | IP67 to IEC 60529 |           |                                          |                               |
| P415-32    |                                                                                                                                                      | IP44 to IEC 60529 |           |                                          |                               |
| P415-32W   |                                                                                                                                                      | IP67 to IEC 60529 |           |                                          |                               |
| 4P415-125W | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| 4P415-16   | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| 4P415-32   |                                                                                                                                                      |                   |           |                                          |                               |
| 4P415-63W  | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |
| P415-16    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP44 to IEC 60529 |           |                                          |                               |
| P415-32    | EN60309-1:1999+A1:2007+A2:2012<br>EN60309-2:1999+A1:2007+A2:2012<br>The low Voltage Directive 2014/35/EU                                             | IP67 to IEC60529  |           |                                          |                               |
| P415-63W   | EN60309-1:1999+A1:2007+A2:2012 (EN IEC 60309-1:2022)<br>EN60309-2:1999+A1:2007+A2:2012 (EN IEC 60309-2:2022)<br>The low Voltage Directive 2014/35/EU | IP67 to IEC 60529 |           |                                          |                               |

## Dimensions &amp; Aesthetics

| Code       | Height (mm) | Width (mm) | Depth (mm) | Colour         | Voltage Colour |
|------------|-------------|------------|------------|----------------|----------------|
| P110-16    | 124         | 58         | 51         | Grey (RAL7035) | Yellow         |
| P110-16W   | 120         | 71         | 71         |                |                |
| P110-32    | 153.5       | 78         | 66.5       |                |                |
| P110-32W   | 150         | 93         | 93         |                | Blue           |
| P240-16    | 124         | 58         | 51         |                |                |
| P240-16W   | 120         | 71         | 71         |                |                |
| P240-32    | 153.5       | 78         | 66.5       |                |                |
| P240-32W   | 150         | 93         | 93         |                | Red            |
| P240-63W   | 260         | 113.5      | 113.5      |                |                |
| P415-125W  | 301         | 126        | 126        |                |                |
| P415-16    | 136         | 73.5       | 64.5       |                |                |
| P415-16W   | 133         | 87         | 87         |                |                |
| P415-32    | 159.5       | 82.5       | 74         |                |                |
| P415-32W   | 155         | 99.5       | 99.5       |                |                |
| 4P415-125W | 301         | 126        | 126        |                |                |
| 4P415-16   | 133         | 65.5       | 58.5       |                |                |
| 4P415-32   | 153.5       | 78         | 66.5       |                |                |
| 4P415-63W  | 260         | 113.5      | 113.5      |                |                |
| P415-16    | 136         | 73.5       | 64.5       |                |                |
| P415-32    | 160         | 82.5       | 82.5       |                |                |
| P415-63W   | 260         | 113.5      | 113.5      |                |                |