

## Datasheet

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LP-12 series multi-application waterproof connector with a patented push-button connection method.

With this push-button control it is possible to disconnect and connect very easily and quickly.

Without difficult twisting movements or unscrewing the secured connection and is therefore suitable for various fast and efficient operation scenarios.

The overall appearance design of this series is simply elegant and in addition it has a multiple patented waterproof structure design.

Due to this design, there is high water tightness and can avoid the penetration of external water.

By using high quantity materials, this series can be applied a harsh industrial environments.

Key features:



Easy to connect and disconnect.



High waterproof protection.



Can withstand cold and heat.



Reliable connections.



Multiple shape connector versions.



Flexible installation



With screw or solder or crimp.



Can be in difference color on request

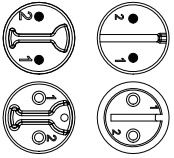
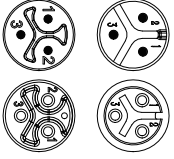
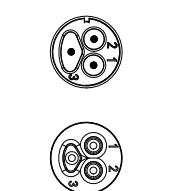
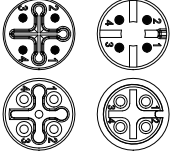
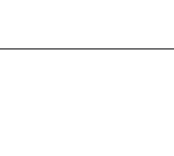
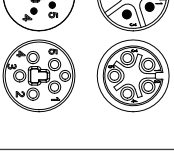
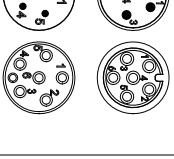
## Datasheet

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|-----------------------|--------------------------------------------------------------------------------|
| From the series of    | LP-12, LP-16, LP20, LP24, LP28                                                 |
| Types of applications | Multiple pin type's 2,3,4,5,6,7,8                                              |
| Voltage rating        | 125V 2~6 pin, 100V 7~8 pins,                                                   |
| Current rating        | 5A 2~6 pin, 3A 7~8 pins                                                        |
| Cable entry           | Ø 3.5~4.5mm, Ø 4.5~5.5mm, Ø 5.5~6.50mm                                         |
| Housing type          | Hoog impact engineering kunststof, metaal of Chrome plating                    |
| Manufacturing methods | Metaal gegoten en kuststof gespoten.                                           |
| Insert materials      | Mannelijke/ vrouwelijke contacten koper legering met goud over nikkel plating. |
| Isolator              | Engineering kunststof, Optische vezel einde van Hoog modulus glas fiber        |
| Production process    | Machine draai en stampwerk                                                     |

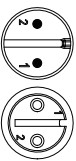
 LP-12 Datasheet

LP-12

| Product Series                  |                                                                                     | LP-12                                                                               |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    | LP-12 |   |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|-------|---|
| Pin Number                      | 2PIN                                                                                | 3PIN                                                                                |                                   | 4PIN                                                                                  | 5PIN                                                                                  | 6PIN                                                                                  | 7PIN                                                                                  | 8PIN                                                                                  |                    |       |   |
| Contact Layout                  |  |  |                                   |  |  |  |  |  | —                  | —     |   |
| Current Rating(A)               | 5                                                                                   | 5                                                                                   | 5                                 | 5                                                                                     | 5                                                                                     | 5                                                                                     | 3                                                                                     | 3                                                                                     | —                  | —     |   |
| Voltage Rating(V)               | 125                                                                                 | 125                                                                                 | 125                               | 125                                                                                   | 125                                                                                   | 125                                                                                   | 100                                                                                   | 100                                                                                   | —                  | —     |   |
| Cable O.D(mm)                   | φ3.5~φ4.5      φ4.5~φ5.5      φ5.5~φ6.5                                             |                                                                                     |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
| Wire Gauge                      | 0.34~0.5mm <sup>2</sup> /22-20AWG                                                   | 0.34~0.5mm <sup>2</sup> /22-20AWG                                                   | 0.34~0.5mm <sup>2</sup> /22-20AWG | 0.34~0.5mm <sup>2</sup> /22-20AWG                                                     | 0.34~0.5mm <sup>2</sup> /22-20AWG                                                     | 0.34~0.5mm <sup>2</sup> /22-20AWG                                                     | 0.25~0.34mm <sup>2</sup> /24-22AWG                                                    | 0.25~0.34mm <sup>2</sup> /24-22AWG                                                    | —                  | —     |   |
| Protection Level                | Connection Status IP68                                                              |                                                                                     |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
| Terminal Type                   | Soldering                                                                           | Soldering                                                                           | Screwing                          | Soldering                                                                             | Soldering                                                                             | Soldering                                                                             | Soldering                                                                             | Soldering                                                                             | —                  | —     |   |
| Illustration                    | Material                                                                            | Part No                                                                             |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
| Plug                            |                                                                                     | Part No                                                                             |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
|                                 | Male                                                                                | LP-12-C02PE-02-001                                                                  | LP-12-C03PE-02-001                | LP-12-C03PE-22-003                                                                    | LP-12-C04PE-02-001                                                                    | LP-12-C05PE-02-001                                                                    | LP-12-C06PE-02-001                                                                    | LP-12-C07PE-02-001                                                                    | LP-12-C08PE-02-001 | —     | — |
|                                 | Female                                                                              | LP-12-J02PE-02-004                                                                  | LP-12-J03PE-02-004                | —                                                                                     | LP-12-J04PE-02-004                                                                    | LP-12-J05PE-02-004                                                                    | LP-12-J06PE-02-004                                                                    | LP-12-J07PE-02-004                                                                    | LP-12-J08PE-02-004 | —     | — |
|                                 | Male                                                                                | LP-12-C02PP-02-003                                                                  | LP-12-C03PP-02-003                | —                                                                                     | LP-12-C04PP-02-003                                                                    | LP-12-C05PP-02-003                                                                    | LP-12-C06PP-02-003                                                                    | LP-12-C07PP-02-003                                                                    | LP-12-C08PP-02-003 | —     | — |
| In-line receptacle              |                                                                                     | Part No                                                                             |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
|                                 | Female                                                                              | LP-12-J02PP-02-001                                                                  | LP-12-J03PP-02-001                | LP-12-J03PP-22-001                                                                    | LP-12-J04PP-02-001                                                                    | LP-12-J05PP-02-001                                                                    | LP-12-J06PP-02-001                                                                    | LP-12-J07PP-02-001                                                                    | LP-12-J08PP-02-001 | —     | — |
|                                 | Male                                                                                | LP-12-C02SX-02-104                                                                  | LP-12-C03SX-02-104                | —                                                                                     | LP-12-C04SX-02-104                                                                    | LP-12-C05SX-02-104                                                                    | LP-12-C06SX-02-104                                                                    | LP-12-C07SX-02-104                                                                    | LP-12-C08SX-02-104 | —     | — |
|                                 | Female                                                                              | LP-12-J02SX-02-101                                                                  | LP-12-J03SX-02-101                | LP-12-J03SX-22-101                                                                    | LP-12-J04SX-02-101                                                                    | LP-12-J05SX-02-101                                                                    | LP-12-J06SX-02-101                                                                    | LP-12-J07SX-02-101                                                                    | LP-12-J08SX-02-101 | —     | — |
| Single hole straight receptacle |                                                                                     | Part No                                                                             |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
|                                 | Male                                                                                | LP-12-C02SX-02-404                                                                  | LP-12-C03SX-02-404                | —                                                                                     | LP-12-C04SX-02-404                                                                    | LP-12-C05SX-02-404                                                                    | LP-12-C06SX-02-404                                                                    | LP-12-C07SX-02-404                                                                    | LP-12-C08SX-02-404 | —     | — |
|                                 | Female                                                                              | LP-12-J02SX-02-401                                                                  | LP-12-J03SX-02-401                | LP-12-J03SX-22-401                                                                    | LP-12-J04SX-02-401                                                                    | LP-12-J05SX-02-401                                                                    | LP-12-J06SX-02-401                                                                    | LP-12-J07SX-02-401                                                                    | LP-12-J08SX-02-401 | —     | — |
|                                 | Male                                                                                | LP-12-C02SX-02-404                                                                  | LP-12-C03SX-02-404                | —                                                                                     | LP-12-C04SX-02-404                                                                    | LP-12-C05SX-02-404                                                                    | LP-12-C06SX-02-404                                                                    | LP-12-C07SX-02-404                                                                    | LP-12-C08SX-02-404 | —     | — |
| Four-hole flange receptacle     |                                                                                     | Part No                                                                             |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                    |       |   |
|                                 | Female                                                                              | LP-12-J02SX-02-401                                                                  | LP-12-J03SX-02-401                | LP-12-J03SX-22-401                                                                    | LP-12-J04SX-02-401                                                                    | LP-12-J05SX-02-401                                                                    | LP-12-J06SX-02-401                                                                    | LP-12-J07SX-02-401                                                                    | LP-12-J08SX-02-401 | —     | — |
|                                 | Male                                                                                | LP-12-C02SX-02-404                                                                  | LP-12-C03SX-02-404                | —                                                                                     | LP-12-C04SX-02-404                                                                    | LP-12-C05SX-02-404                                                                    | LP-12-C06SX-02-404                                                                    | LP-12-C07SX-02-404                                                                    | LP-12-C08SX-02-404 | —     | — |
|                                 | Female                                                                              | LP-12-J02SX-02-401                                                                  | LP-12-J03SX-02-401                | LP-12-J03SX-22-401                                                                    | LP-12-J04SX-02-401                                                                    | LP-12-J05SX-02-401                                                                    | LP-12-J06SX-02-401                                                                    | LP-12-J07SX-02-401                                                                    | LP-12-J08SX-02-401 | —     | — |

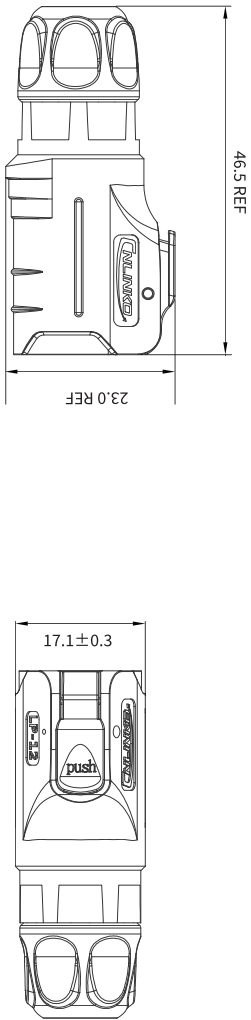
LP-12 Datasheet

LP-12

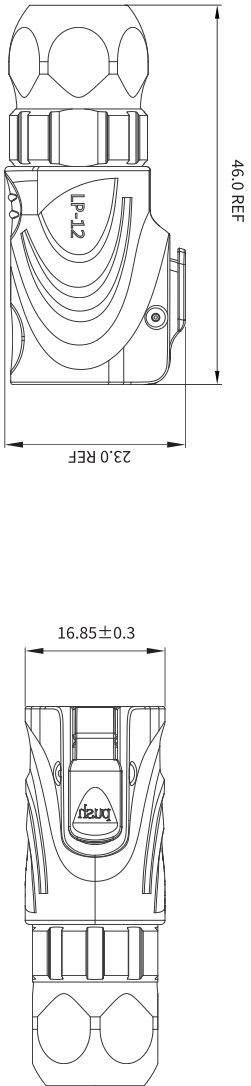
| Product Series                  |                                                                                                 | LP-12                                                                                           |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    | LP-12 |  |  |  |
|---------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------|-------|--|--|--|
| Pin Number                      | 2PIN                                                                                            | 3PIN                                                                                            |                                   | 4PIN                                                                                              | 5PIN                                                                                              | 6PIN                                                                                              | 7PIN                                                                                              | 8PIN                                                                                              |                    |       |  |  |  |
| Contact Layout                  |  Male Female |  Male Female |                                   |  Male Female |  Male Female |  Male Female |  Male Female |  Male Female | —                  |       |  |  |  |
| Current Rating(A)               | 5                                                                                               | 5                                                                                               | 5                                 | 5                                                                                                 | 5                                                                                                 | 5                                                                                                 | 3                                                                                                 | 3                                                                                                 | —                  |       |  |  |  |
| Voltage Rating(V)               | 125                                                                                             | 125                                                                                             | 125                               | 125                                                                                               | 125                                                                                               | 125                                                                                               | 100                                                                                               | 100                                                                                               | —                  |       |  |  |  |
| Cable O.D(mm)                   | φ3.5~φ4.5    φ4.5~φ5.5    φ5.5~φ6.5                                                             |                                                                                                 |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    | —     |  |  |  |
| Wire Gauge                      | 0.34-0.5mm <sup>2</sup> /22-20AWG                                                               | 0.34-0.5mm <sup>2</sup> /22-20AWG                                                               | 0.34-0.5mm <sup>2</sup> /22-20AWG | 0.34-0.5mm <sup>2</sup> /22-20AWG                                                                 | 0.34-0.5mm <sup>2</sup> /22-20AWG                                                                 | 0.34-0.5mm <sup>2</sup> /22-20AWG                                                                 | 0.25-0.34mm <sup>2</sup> /24-22AWG                                                                | 0.25-0.34mm <sup>2</sup> /24-22AWG                                                                | —                  |       |  |  |  |
| Protection Level                | Connection Status IP68                                                                          |                                                                                                 |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    | —     |  |  |  |
| Terminal Type                   | Soldering                                                                                       | Soldering                                                                                       | Screwing                          | Soldering                                                                                         | Soldering                                                                                         | Soldering                                                                                         | Soldering                                                                                         | Soldering                                                                                         | —                  |       |  |  |  |
| Illustration                    | Material                                                                                        | Part No                                                                                         |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    |       |  |  |  |
| Plug                            |                                                                                                 |                                                                                                 |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    |       |  |  |  |
| In-line receptacle              |                                                                                                 |                                                                                                 |                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                                                                                                   |                    |       |  |  |  |
|                                 | Male                                                                                            | LP-12-C02PE-03-001                                                                              | LP-12-C03PE-03-001                | LP-12-C03PE-21-002                                                                                | LP-12-C04PE-03-001                                                                                | LP-12-C05PE-03-001                                                                                | LP-12-C06PE-03-001                                                                                | LP-12-C07PE-03-001                                                                                | LP-12-C08PE-03-001 | —     |  |  |  |
|                                 | Female                                                                                          | —                                                                                               | —                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                  | —     |  |  |  |
| Single hole straight receptacle | Male                                                                                            | —                                                                                               | —                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                  | —     |  |  |  |
|                                 | Female                                                                                          | LP-12-J02PP-01-001                                                                              | LP-12-J03PP-01-001                | LP-12-J03PP-21-002                                                                                | LP-12-J04PP-01-001                                                                                | LP-12-J05PP-01-001                                                                                | LP-12-J06PP-01-001                                                                                | LP-12-J07PP-01-001                                                                                | LP-12-J08PP-01-001 | —     |  |  |  |
|                                 | Male                                                                                            | —                                                                                               | —                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                  | —     |  |  |  |
| Four-hole flange receptacle     | Female                                                                                          | LP-12-J02SX-03-101                                                                              | LP-12-J03SX-03-101                | LP-12-J03SX-23-101                                                                                | LP-12-J04SX-03-101                                                                                | LP-12-J05SX-03-101                                                                                | LP-12-J06SX-03-101                                                                                | LP-12-J07SX-03-101                                                                                | LP-12-J08SX-03-101 | —     |  |  |  |
|                                 | Male                                                                                            | —                                                                                               | —                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                                                                                                 | —                  | —     |  |  |  |
|                                 | Female                                                                                          | LP-12-J02SX-03-401                                                                              | LP-12-J03SX-03-401                | LP-12-J03SX-23-401                                                                                | LP-12-J04SX-03-401                                                                                | LP-12-J05SX-03-401                                                                                | LP-12-J06SX-03-401                                                                                | LP-12-J07SX-03-401                                                                                | LP-12-J08SX-03-401 | —     |  |  |  |

LP-12 Dimension Drawing (unit: mm)

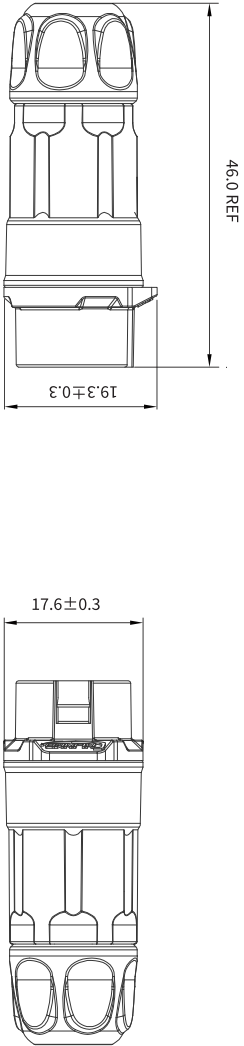
Plastic plug



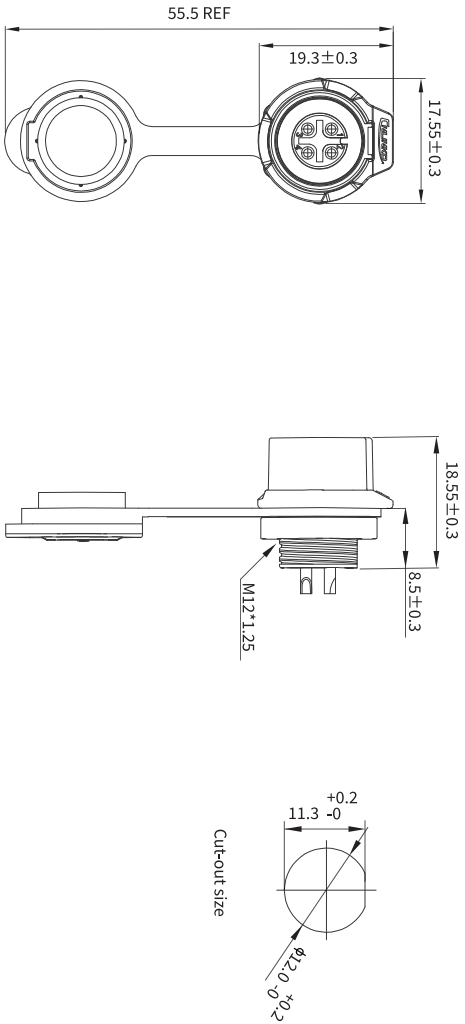
Metal plug



In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle

