# PLB.M1.0SL.LA



## Summary

Request a quote

Catalog

| | |
|---|---|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 34 - 28 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
| Size | 1P |
| Series | REDEL P - Push-Pull |

## Technical details


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## Electrical Configuration

| | |
|---|---|
| Contact Termination Low voltage | Solder |
| R (max) | 8.5 mOhm |
| Insert configuration value | 1P.M10 - 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 3 Amps |
| Test voltage (kV rms) Contact-contact | 0.85 |
| Contact Type | Solder |
| Max. Solid Conductor | 0.09 mm^2 (AWG 28) |
| Max. Stranded Conductor | 0.09 mm^2 (AWG 28) |
| Air clearance | 0.45 mm |
| Creepage distance | 0.45 mm |
| Bucket Dia. | 0.45 mm (0.018in) |
| Contact Dia. | 0.5 mm (0.0201in) |
| Number of contacts Low Voltage | 10 |
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| Gender | Standard |

## Form & Material

| | |
|---|---|
| Shell style / Model id | PL - Fixed receptacle, nut fixing |
| Socket / Receptacle | Fixed Panel Front Mounted |
| Housing material | PEI (Polyetherimide), gray |
| Locking system | Push-pull |
| Keying | 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts) |
| Variant | Blue front nut |
| Weight | 5.36 g |


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| Environment | |
|---|---|
| Technical domain | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50 |
| Temperature range | -50°C / +170°C |
| F ret (max) | 150 N |
| F ret (min) | 50 N |
| Steam sterilization | > 100 times (with potting on rear connection) |
| **Cable fixation** | |
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |

# Recommended By Lemo

| Accessories |
|---|
| **Tools** |

# Cables

| Cable PartNumber | Material | Colour | Cable image |
|---|---|---|---|
| CMN.10.T28.052PGZE | | grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110280 | PVC | Black |  |


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