

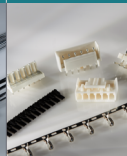
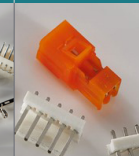





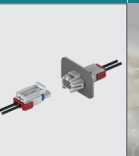

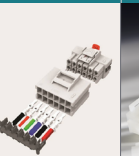



POWER INTERCONNECT DESIGN NAVIGATOR

Selecting the right connector should not be difficult and this design navigator is here to make it easy. Use this document to find connector product lines that meet your application requirements, including optional and non-standard features, and then follow the product page links for detailed product features, sample ordering, and downloadable product specifications.

| | | Micro MATE-N-LOK Connector | GRACE INERTIA Connector | Economy Power & EP II Connector | MTA 156 Insulation Displacement Connector | SL-156 Crimp Connector | Power Double Lock Connector | Mini Universal MATE-N-LOK Connector | VAL-U-LOK Connector | Power Key Connector | Power Versa-Lock Connector | Commercial MATE-N-LOK Connector | POWER TRIPLE LOCK Connector | Universal MATE-N-LOK Connector |
|---|-----------------------------------|---|---|---|---|---|--|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Centerline (mm) | | 3.00 | 3.30, 3.50, 6.00, 6.20, 6.50, 7.20, 9.00, 12.40 | 3.96, 5.08, 7.92 | 3.96 | 3.96 | 3.96, 6.50, 7.92, 13.00 | 4.14 | 4.20 | 5.00 | 5.00 | 5.08 | 6.00 | 6.35 |
| Current Rating (A) | | 5 | 4-20* | 7-11* | 7 | 10 | 14 | 9.5, 10.5* | 9, 13* | 10 | 15 | 19 | 20 | 19 |
| Voltage Rating | | 250 VAC | 250 VAC to 600 VAC* | 250 VAC, 600 VAC* | 600 VAC | 250 VAC | 300 VAC, 50 VAC* | 600 VAC/VDC | 600 VAC | 300 VAC | 600 VAC | 600 VAC | 600 VAC/VDC | 600 VAC/VDC |
| Flammability Options | UL 94 Rating | V-0 & V-2 | V-0 | V-0 | V-0 & V-2 | V-0 | - | V-0 & V-2 | V-0 & V-2 | V-0 | V-0 | V-0 | V-0 | V-0 & V-2 |
| | IEC 60335-1 Glow Wire Available** | • | - | • | - | - | • | - | • | • | • | • | • | • |
| Agency Approvals | | UL, CSA, VDE | UL, CSA | UL, CSA | UL, CSA | UL, CSA | UL, CSA, VDE | UL, CSA, VDE* | UL, CSA, VDE | UL, CSA | UL, CSA, VDE | UL, CSA, VDE | UL, CSA, VDE | UL, CSA, VDE |
| Operating Temp. (°C) | | -40 to +105 | -30 to +105 | -55 to +105 | -55 to +105 | -55 to +105 | -30 to +105 | -55 to +105 | -40 to +105 | -30 to +105 | -30 to +130 | -30 to +105 | -55 to +150 | -55 to +105 |
| Wire Size (AWG) | | 30-18 | 28-12* | 22-16 | 26-18 | 24-18 | 26-16 | 30-16 | 26-16 | 24-16 | 26-14, 2x22 | 30-14 | 20-12, 2x18, 2x20 | 30-10 |
| Position Size | | 2-24 | 1-14* | 1-12* | 2-24 | 1-24 | 1-12* | 1-4, 6, 9, 12, 15, 2-24* | 2-24 | 2-4, 6 | 1-4, 6, 9 | 1-16 | 2-15 | 1-15 |
| Sealed Version Available | | - | - | - | - | - | - | • | - | - | • | - | - | • |
| Color/Keying Available | | - | • | • | - | - | • | • | • | • | • | • | • | • |
| Terminal Position Assurance (TPA) Available | | - | • | • | - | - | • | - | • | • | • | - | • | • |
| Available Configurations | Wire-To-Wire | • | • | - | • | - | • | • | • | - | • | • | • | • |
| | Wire-To-Board | • | • | • | • | • | • | • | • | • | - | • | • | • |
| | Wire-To-Panel | • | - | - | - | - | • | • | • | - | • | - | • | • |
| Link to Product Pages | | Micro MATE-N-LOK Connectors | GRACE INERTIA Connectors | Economy Power Connectors | MTA 156 Connectors | SL-156 Crimp Connectors | Power Double Lock Connectors | Mini Universal MATE-N-LOK Connectors | VAL-U-LOK Connectors | Power Key Connectors | Power Versa-Lock Connectors | Commercial MATE-N-LOK Connectors | POWER TRIPLE LOCK Connectors | Universal MATE-N-LOK Connectors |

*Specifications and available positions will vary based on configuration and centerline spacing • Available

**For more information on glow wire testing please review the white paper [Glow Wire Testing for the Appliance Industry](#) or visit the [Glow Wire Capable Connectors product page](#).

For more information, check out our [Power Selector Guide](#)