

GLOW WIRE, V-0 UNIVERSAL MATE-N-LOK CONNECTOR HOUSINGS AND HEADERS

Meet the requirement of
IEC 60335-1 and UL V-0
Wire-to-wire/wire-to-panel/wire-to-board types

Universal MATE-N-LOK cap and plug housings, as well as headers, are now available in material meeting the Glow Wire test (GWT) requirement according to IEC 60335-1 5th edition (750°C, without flame), plus the requirements of UL 94 V-0. Based on the well-established 6.35mm (0.25") centerline pitch, the new housings are compatible with standard Universal MATE-N-LOK pins and sockets. Given that they meet both the GWT and V-0 requirements, the new housings and headers are targeted for use by manufacturers of appliances and other goods for the European and American markets.

The housings are offered with 2, 3, 4, 5 and 10 positions in a single row configuration. Additionally, there are two row, 6 position models, three row, 9 position models and four row, 12 position models. All are natural color, PA 66 material. The caps are designed for panel mounting, but can also be used in free-hanging applications. The headers are offered with either pins or sockets. Single row models with 2, 3, 4, 5, 6 or 8 positions are offered in vertical and right angle versions. Double row 6 position and triple row 9 position models are offered as vertical headers.

CAP AND PLUG HOUSINGS

KEY FEATURES

- Familiar locking latch
- Pins and sockets can be intermixed in the same housing
- Positive polarization & rear cavity identification
- For wire-to-wire and wire-to-panel application
- Insulation capability to .200 (5.08) diameter
- Compatible with standard MATE-N-LOK contacts for 30-10 AWG (.05-5.0 mm²) wire sizes
- May be upgraded to splash proof (IP57) system by using optional seals and contacts.
- Compliant with Glow Wire test required by IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety and UL 94 V-0.

APPLICATIONS

- Household appliances
- HVAC equipment
- Industrial machinery
- Other products requiring compliance to IEC 60335-1 and UL 94 V-0

SPECIFICATIONS

- Product specification: 108-1031
- Application specification: 114-1010

ELECTRICAL

- Voltage rating: 600VAC
- Current rating: 19A max.

MECHANICAL

- Positions: 2, 3, 4, 5 and 10, single row;
6, dual row;
9, three row;
12, four row
- Centerline pitch: 6.35mm (0.25")
- Operating temperature: -55 to 125°C
- Panel thickness: Caps will accommodate .76 - 2.29mm (.03 - .09")

MATERIAL

- Nylon (PA 66) meeting Glow Wire test (750°C, without flame) required by IEC/EN 60335-1 5th edition and UL 94 V-0.

STANDARDS

- IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety
- UL 94 V-0
- UL Recognized, file E28476 
- CSA Certified, file LR7189 
- VDE Approved, certificate 40023469 

GLOW WIRE, V-O HOUSINGS AND HEADERS

Universal MATE-N-LOK Connectors

HOUSINGS PRODUCT OFFERING

Positions	Rows	Cap Housing Meeting GWT and V-O*	Plug Housing Meeting GWT and V-O*
2	1	1-1703062-2	1-1703061-2
3	1	2178474-2	2178473-2
4	1	926305-7	926298-7
5	1	350810-2	350809-3
6	2	2178773-1	1-1644055-2
9	3	927231-7	1-1863003-2
10	1	926309-7	1-1863004-2
12	4	1-1863006-2	1-1863005-2

*Glow Wire test required by IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety and UL 94 V-O.

HEADERS

KEY FEATURES

- Choice of pin or socket headers
- For wire-to-board applications
- Compatible with standard MATE-N-LOK housings and contacts for 30-10 AWG (.05-5.0 mm²) wire sizes
- Nylon (PA66) glow wire compliant 750°C no flame meets IEC 60335-1 5th edition and UL 94 V-O

APPLICATIONS

- Household appliances
- Desktop computers
- Indoor / outdoor lighting
- Security systems
- Industrial controls
- HVAC control systems
- Storage and networking systems

SPECIFICATIONS

- Product specification 108-1053
- Application specification 114-1010
- Instruction sheet 408-7714

ELECTRICAL

- Voltage rating: 600VAC
- Current rating: 18A (wire to board vertical)

MECHANICAL

- Positions: 2-6, 8 & 9
- Centerline pitch: 6.35mm (0.25")
- Operating temperature: -55 to 125°C

MATERIAL

- Nylon (PA 66) meeting Glow Wire test (750°C, without flame) required by IEC/EN 60335-1 5th edition and UL 94 V-O.

STANDARDS

- IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety
- UL 94 V-O
- UL recognized, file E28476 

GLOW WIRE, V-O HOUSINGS AND HEADERS

Universal MATE-N-LOK Connectors

HEADERS PRODUCT OFFERING

Positions	Type	Configuration	Header Meeting GWT and V-O*
2	Pin	1 x 2, right angle	1969796-1
2	Pin	1 x 2, vertical	1969798-1
2	Pin	1 x 2, vertical, polarized	1969799-1
2	Socket	1 x 2, right angle	1969797-1
2	Socket	1 x 2, vertical, with drain holes	1969795-1
3	Pin	1 x 3, right angle	1586892-3
3	Pin	1 x 3, vertical	1969803-1
3	Socket	1 x 3, right angle	1586893-3
3	Socket	1 x 3, vertical	1969800-1
4	Pin	1 x 4, right angle	1969805-1
4	Pin	1 x 4, vertical	1969807-1
4	Socket	1 x 4, right angle	1969806-1
4	Socket	1 x 4, vertical, with drain holes	1969804-1
5	Pin	1 x 5, right angle	1969808-1
5	Pin	1 x 5, vertical	1969809-1
6	Pin	1 x 6, right angle	1969812-1
6	Socket	1 x 6, right angle	1969813-1
6	Socket	1 x 6, vertical	1969830-1
6	Pin	2 x 3, vertical	1969814-1
6	Socket	2 x 3, vertical	1969811-1
8	Pin	1 x 8, right angle	1969815-1
8	Socket	1 x 8, right angle	1969816-1
9	Pin	3 x 3, vertical	1969818-1
9	Socket	3 x 3, vertical	1969817-1

*Glow Wire test required by IEC/EN 60335-1 5th edition: Household and Similar Appliances-Safety and UL 94 V-0.

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