

MATE-N-LOK CONNECTOR DESIGN NAVIGATOR

The MATE-N-LOK connector series is the industry standard for power in appliances, machinery, and equipment. Known for their design versatility, these connectors come in flanged, bulkhead, sealed, and twist-and-lock options for wire-to-wire, wire-to-board, and panel mount applications. They feature polarization, positive locking, and rear cavity identification for error-resistant assembly and can interchangeably accommodate both pin and socket contacts.

APPLICATIONS



Appliances



Washer and Dryer



HVAC Equipment



Lighting



Industrial Machinery



Small Home Appliances







Refrigerator



Dishwasher

POWER INTERCONNECT PRODUCTS

	Micro MATE-N-LOK Connector	Mini Universal MATE-N-LOK Connector	Mini Universal MATE-N-LOK II Connector	Commercial MATE-N-LOK Connector	Universal MATE-N-LOK Connector
					
Centerline (mm)	3	4.14	4.14	5.08	6.35
Current Rating	5	9.5	9.5 10.5	19	19
Voltage Rating	250 VAC	600 VAC or VDC	600 VAC or VDC	600 VAC	600 VAC or VDC
Wire Size (AWG)	30-18	30-16	30-16	30-14	30-10
Position Size	2-24	1-4,6,9, 12,15 (WTW) 2-24 (WTB)	1-4,6,9, 12,15 (WTW) 2-24 (WTB)	1-16	1-15 2-15 (II)
Configurations	Wire-to-Wire Wire-to-Board Wire-to-Panel	Wire-to-Wire Wire-to-Board	Wire-to-Wire Wire-to-Board	Wire-to-Wire Wire-to-Board	Wire-to-Wire Wire-to-Board Board-to-Board
Operating Temp. Range °C	-40°C to +105°C	-55°C to +105°C	-55°C to +105°C	-55°C to +105°C	-55°C to +105°C 125°C
Flammability	UL 94-V0 & V2, GWEPT 750°C NF Version available for headers	UL 94-V2 & V0	UL 94-V2 & V0	UL 94-V2	UL 94-V2, V0, & GWEPT 750°C
Agency Approvals	UL, CSA, VDE	UL, CSA (250V Max), UL, CSA	UL, CSA (250V Max), UL, CSA, VDE (II)	UL, CSA	UL, CSA, VDE
Features	45% lower profile, SMT headers, dual beam contact design	Splash-proof Sealed Version	Splash-proof Sealed Version	Dual Locking Lances	Splash-proof Sealed Version, TPA ⁽¹⁾ for 2-5 positions
Link to Product Pages	Micro MATE-N-LOK Connectors	Mini-Universal MATE-N-LOK Connectors	Mini II Universal MATE-N-LOK	Commercial MATE-N-LOK	Universal MATE-N-LOK

⁽¹⁾ Terminal Position Assurance