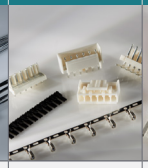
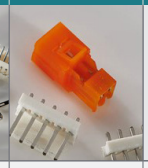
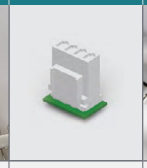
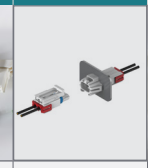
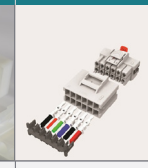
POWER INTERCONNECT DESIGN NAVIGATOR

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-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 Standard/ Potting/ SMT***	•/-/•	•/•/-	•/•/-	•/-/-	•/-/-	•/•/-	•/•/-	•/-/-	•/•/•	-	•/-/-	•/•/-	•/-/-
	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.

***SMT = Surface Mount Technology

For more information, check out our Power Selector Guide

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