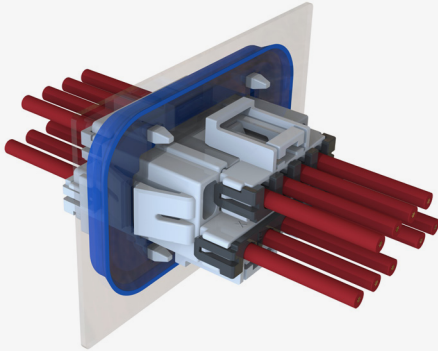


# POWER DOUBLE LOCK MULTI-LOAD CONNECTOR WITH FOAMING PROTECTION

## SIMPLIFIED POWER SOLUTION WITH RELIABLE FOAMING RESISTANT

TE Connectivity (TE) introduces latest Power Double Lock multi-load connector with foaming protection as an efficient solution to help protect manufacturers against foaming leakage. Reliable foaming protection through gasket and wire seals effectively help prevent foaming leakage. The connector complies with the IEC 60335 standard of 3mm insulation spacing, to help ensure safety. Simplified assembly with easy-to-install components reduces production time. Robust electrical connections feature error-resistant design, scoop-resistant design and terminal position assurance (TPA). This product provides multiple configurations for compact and flexible design options. Safety and durability are further reinforced through compliance with the UL 94 V-0 flammability standard and a Glow Wire Test rating of 750°C. This solution is highly reliable for multiple applications that utilize a foaming insulation process, such as refrigerators and freezers, among others.



### ELECTRICAL

- Current range: 10A max
- Rated voltage: 250V

### MECHANICAL

- Centerline (mm): 5
- Position:  
Single row: 2-4P  
Dual row: 4-9P
- Wire size (AWG): 16-24

### MATERIALS

- Operating temperature (°C):  
-55 to +105
- Contact: copper alloy

### SPECIFICATIONS

- Product specification: [108-160365](#)
- Application specification: [114-160773](#)
- [Product page](#)

### KEY FEATURES

- Gasket and wire seals provide protection to effectively help prevent foaming leakage
- Error-minimizing design helps prevent terminal half-mating and housing mis-mating
- Multiple configurations are available for flexible & compact design
- Scoop-resistant design helps prevent terminal damage caused by stubbing
- Terminal position assurance (TPA) helps secure the terminal in the correct position and fix the wire seal
- Meet IEC60335 standard for 3mm insulation between contact and panel cut-out
- Meet UL 94 V-0 flammability standard and a Glow Wire Test (GWT\*) rating of 750°C

### APPLICATIONS



Refrigerator



Freezer



Car Refrigerator



Washing machine



Oven



Air-conditioner

\*GWT refers to glow wire testing of the plastic housing. 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](#)

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## HOUSING

CAP HOUSING			PLUG HOUSING		GASKET SEAL
Row Number	Position	Part Number	Position	Part Number	Part Number
Single	2	<a href="#">2391515-2</a>	2	<a href="#">2391516-2</a>	<a href="#">2391531-2</a>
	2	<a href="#">2-2391515-2</a>	2	<a href="#">2-2391516-2</a>	<a href="#">2391531-2</a>
	3	<a href="#">2391515-3</a>	3	<a href="#">2391516-3</a>	<a href="#">2391531-3</a>
	4	<a href="#">2391515-4</a>	4	<a href="#">2391516-4</a>	<a href="#">2391531-4</a>
Dual	4	<a href="#">2391517-1</a>	2	<a href="#">2391516-2</a>	<a href="#">1-2391531-4</a>
			2	<a href="#">1-2391516-2</a>	
	6	<a href="#">2391518-1</a>	2	<a href="#">2391516-2</a>	<a href="#">2391531-6</a>
			4	<a href="#">2391516-4</a>	
	6	<a href="#">2391518-2</a>	2	<a href="#">2-2391516-2</a>	<a href="#">2391531-6</a>
			4	<a href="#">2391516-4</a>	
	7	<a href="#">2416056-2</a>	3	<a href="#">2391516-3</a>	<a href="#">2391531-6</a>
			4	<a href="#">2391516-4</a>	
	9	<a href="#">2391520-1</a>	2	<a href="#">2391516-2</a>	<a href="#">2391531-9</a>
			3	<a href="#">2391516-3</a>	
			4	<a href="#">2391516-4</a>	

## TAB TERMINAL

Part Number	Wire Size(AWG)	Wire Seal Part Number	Insulation Outer Diameter (mm)	Applicator Part Number
<a href="#">2406088-1</a>	20-24	<a href="#">2391530-1</a>	1.4-2.0	<a href="#">4151386-1</a>
<a href="#">2406089-1</a>	16-18	<a href="#">2391530-2</a>	1.95-2.5	<a href="#">4151387-1</a>

## RECEPTACLE TERMINAL

Part Number	Wire Size(AWG)	Wire Seal Part Number	Insulation Outer Diameter (mm)	Applicator Part Number
<a href="#">2406090-1</a>	20-24AWG	<a href="#">2391530-1</a>	1.4-2.0	<a href="#">4151386-1</a>
<a href="#">2406091-1</a>	16-18AWG	<a href="#">2391530-2</a>	1.95-2.5	<a href="#">4151387-1</a>

## FOR MORE INFORMATION

**ASK OUR EXPERT** ▶

## [te.com/power-double-lock-multi-load-connector](https://te.com/power-double-lock-multi-load-connector)

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