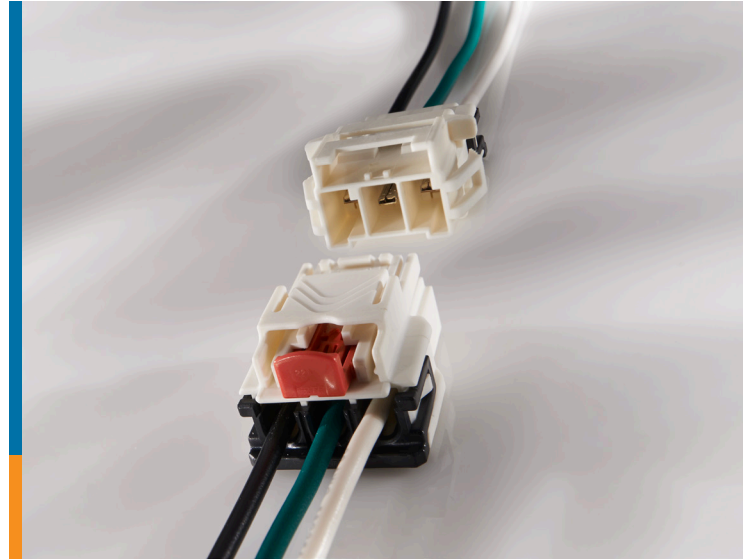


Introducing  
**MAKE FIRST,  
BREAK LAST  
POWER TRIPLE LOCK  
CONNECTOR**

3 Positions, Wire-to-Panel or Wire-to-Wire



# MAKE FIRST, BREAK LAST POWER TRIPLE LOCK CONNECTOR

## 3 Positions, Wire-to-Panel or Wire-to-Wire

TE Connectivity's (TE) new make first, break last (MFBL) Power Triple Lock connector is designed for applications where there are specific grounding requirements. It allows the ground to be established prior to the power connections being made, and the ground is maintained until after the power connections are broken.

This newest member of the robust, 6.0 mm centerline, Power Triple Lock connector offers three positions. It has a new cap, plug, ground tab and receptacle while utilizing other components from the standard Power Triple Lock connector family. It provides the secure connection and easy assembly of the Power Triple Lock connector family.

### Electrical

- Voltage Rating: 600 VAC/VDC
- Current Rating: Up to 12 amps maximum

### Mechanical

- 3 positions, wire-to-panel (or wire-to-wire)
- Centerline pitch: 6.0 mm (.236 in)

### Materials

- Housings: Thermoplastic meeting glow wire test (750°C no flame) per IEC 60335-1, 5th edition
- Contacts: Tin plated copper alloy
- Operating temperature: -55°C to 105°C

### Contacts

- New receptacle 2232723-1 (20-16 AWG [.65 - 1.3 mm<sup>2</sup>])
- New extended length ground tab 2232724-1 (20-16 AWG [.65 - 1.3 mm<sup>2</sup>])
- Existing standard length tab 1971784-1 (20-16 AWG [.65 - 1.3 mm<sup>2</sup>])

### Applications

- Appliances
  - Refrigerators
  - Washers and dryers
  - Dishwashers
  - Cooking
  - Small appliances
  - Air conditioners
- Commercial building equipment
  - Office machines
  - Vending machines
- Power cord and power supply connections for many types of equipment

### Key Features

- Application specific grounding components
- Polarization and keying
- Multiple points of contact and anti-fretting lubricant on terminals
- Three way locking
- Low insertion force design

### Benefits



- Establish ground before making power connection and maintain ground until after power connections are broken, helping ensure a safer connection
- Allows use of the same position size, but prevents mis-mating, improving assembly cycle
- Multiple points of contact, provide a very stable electrical and mechanical connection, and lubricant prevents fretting corrosion
- Secure connections. Cap and plug latch together and optional Terminal Position Assurance (TPA) helps to ensure contacts are fully seated. Optional Connector Position Assurance (CPA) helps prevent unintentional disengagement
- Easy assembly, improving assembly cycle and avoiding mistakes during application

### Specifications

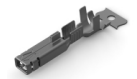


- Product specification: [108-106147](#)
- Application specification: [114-106147](#)

### Product Offering

#### Housings

Product Image	Type	Style	Part Number
	Plug Housing	3 position	<a href="#">5-2232362-3</a>
	Cap Housing	3 position	<a href="#">5-2232353-3</a>

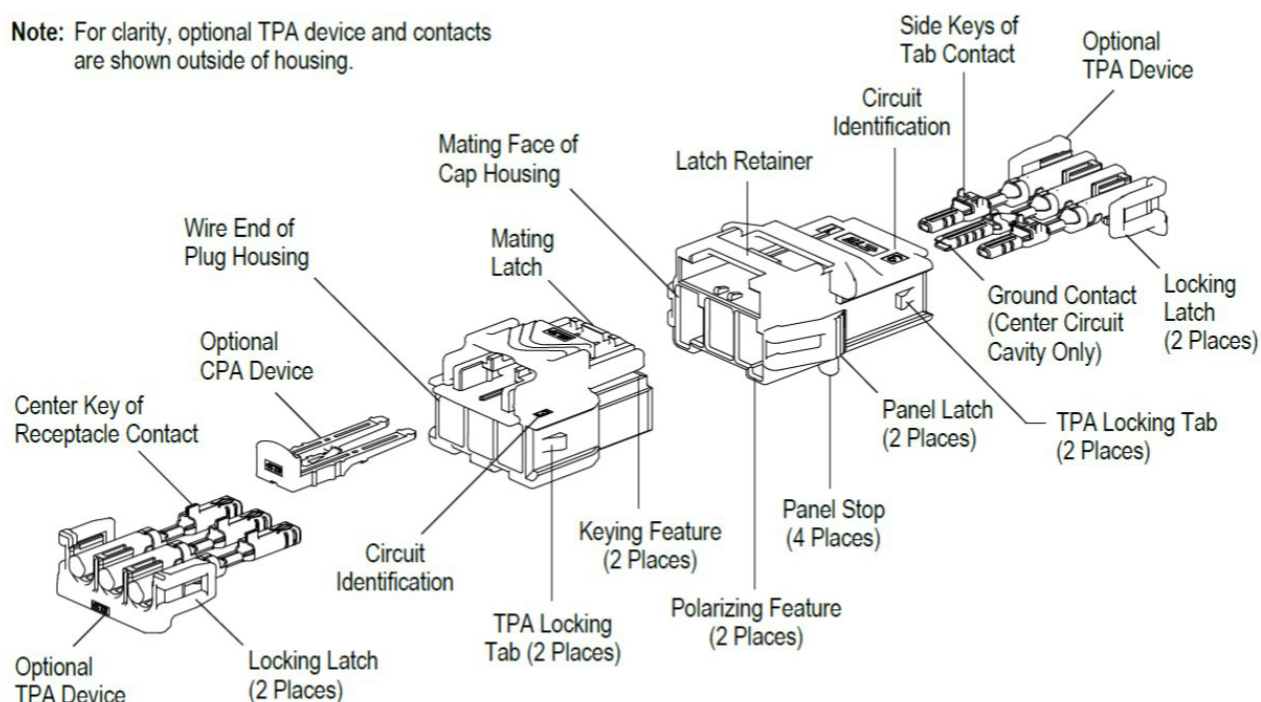
#### Contacts

Product Image	Type	Wire Gauge	Part Number
	Receptacle Use in all three positions of plug housing	20-16 AWG [.65 - 1.3 mm <sup>2</sup> ]	<a href="#">2232723-1</a>
	Ground Tab Use in center position of cap housing	20-16 AWG [.65 - 1.3 mm <sup>2</sup> ]	<a href="#">2232724-1</a>
	Tab Use in two positions on either side of cap housing	20-16 AWG [.65 - 1.3 mm <sup>2</sup> ]	<a href="#">1971784-1</a>

#### Optional Accessories

Product Image	Type	Part Number
	Terminal Position Assurance	<a href="#">1971777-3</a>
	Connector Position Assurance	<a href="#">1971789-1</a>

**Note:** For clarity, optional TPA device and contacts are shown outside of housing.



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