Ditto Wire-to-Wire Connectors

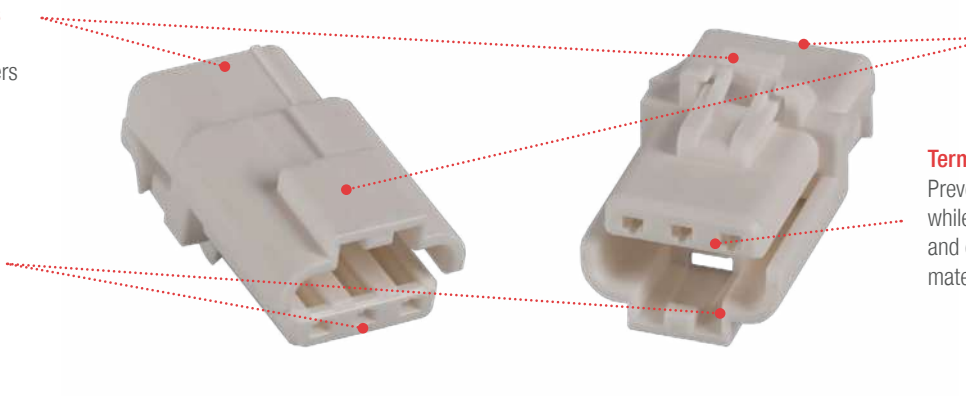
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Available in glow wire capable and positive lock versions, Ditto wire-to-wire interconnects halve the tooling and setup costs of low-amperage consumer and lighting applications for increased cost-savings and operational efficiency

Features and Advantages

Glow wire housings
Ensures safety and protection of end-users in the event of glow wire overload

Polarized housing
Prevents mis-mating of connectors

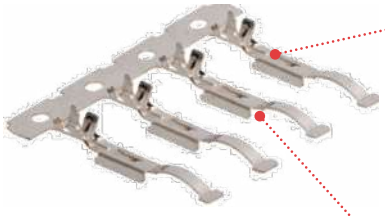


Positive dual lock
Keeps connectors mated during rigorous operations

Terminal serving cavities
Prevents lifting of terminals while maintaining physical and electrical contact with mated terminals

Terminal Position Assurance (TPA)
Prevents accidental terminal back-out during high-vibration conditions





Reinforced wing-style feature
Protects locking lance from operator or assembly-processing damage

Polarized terminal
Prevents flipped (upside down) insertion into the connector housing





Positive dual lock
Keeps connectors mated during rigorous operations

Ditto HT Connector



Comes in a high temperature resin. The terminals have a higher alloy and are now offered in gold plating

Applications

Consumer / Home Appliances
- Fitness
- Home Appliances
- Home Entertainment
- Home Office
- Home Security

Solid State Lighting
- Indoor and Outdoor Illumination
- Displays and Signage
- Transportation Lighting

Automotive (Non-USCAR vehicles)
- 2 and 3 Wheelers
- (motorcycles, scooters, tuk-tuk and more)



Consumer / Home Appliances / Lighting



2-Wheeler Vehicles



3-Wheeler Vehicles

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Specifications

(Friction Lock version 2.50mm pitch)

REFERENCE INFORMATION
Packaging: Tape and Reel (terminals)
Bag (housing)
UL File No.: E29179
Mates With: 36877
Use With: UL1007 and 1061 wires or equivalent
Terminal Used: 36876
Designed In: Millimeters
RoHS: Yes

ELECTRICAL
Voltage (max.): 8V
Current (max.): 8.0A for 20AWG wires
Contact Resistance (max.): 3.5 milliohms
Dielectric Withstanding Voltage: 1700V AC/minute
Insulation Resistance (min.): 1000 Megohm

MECHANICAL
Contact Insertion Force (max.): 10N
Contact Retention to Housing (min.): 30N
Mating Force (max.): 27N
Unmating Force (min.): 7N
Durability (max.): 25 cycles

PHYSICAL
Housing: PA66 UL 94V-0 (non-glow wire capable)
Contact: Tin brass
Plating:
Contact Area: Pre-plated Tin
Operating Temperature: -40 to +105°C



2.50mm pitch Housings
with Friction Lock



2.50mm pitch Mating Condition



Ditto Positive Lock Terminals

(Positive Lock version with TPA 3.00mm pitch)

REFERENCE INFORMATION
Packaging: Tape and Reel (terminals)
Bag (housing)
UL File No.: E29179
VDE File No.: 219197
Mates With: 150170/150201
Use With: UL1007 and 1061 wires or equivalent
Terminal Used: 150200
Designed In: Millimeters
RoHS: Yes
Halogen Free: PA66 - Yes or PA6 - No
Glow Wire Capable and Compliant
with: IEC60335-1

ELECTRICAL
Voltage (max.): 5V
Current (max.): 5.0A for 20AWG wires
Contact Resistance (max.): 10 milliohm
Dielectric Withstanding Voltage: 1700V AC/minute
Insulation Resistance (min.): 1000 Megohm

MECHANICAL
Contact Insertion Force (max.): 15N
Contact Retention to Housing (max.): 25N
Mating Force (max.): 27N
Unmating Force (min.): 5N
Durability (max.): 25 cycles

PHYSICAL
Housing: PA66 UL 94V-0 (non-glow wire capable)
PA6 UL 94V-2 (glow wire capable)
Contact: Tin brass
Plating:
Contact Area: Pre-plated tin
Operating Temperature: -40 to +105°C



3.00mm pitch Housings
with TPA Retainer



Ditto Positive Lock TPA



3.00mm pitch Terminal

Ditto Wire-to-Wire Connectors

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Ordering Information

Series No.	Product Attribute	Circuit Size
36877-0002	2.50mm Pitch Housing	2
36877-0003		3
36877-0004		4
36877-0005		5
36877-0006		6
36877-0007		7
36877-0008		8

Series No.	Product Attribute	AWG
36876-0001	2.50mm pitch Terminal	20 to 22
36876-0002		24 to 26

Series	Product Attribute	AWG
150200-0001	3.0mm Pitch Terminal	20 to 22
150200-0002		24 to 26
150200-0011	HT, Gold Terminal	20 to 22
150200-0012	HT, Gold Terminal	24 to 26

3.00mm Pitch Housing			Circuit Size
Non-Glow Wire Housing	Glow Wire Housing	HT	
150170-0002	150201-0002	150201-0012	2
150170-0003	150201-0003	150201-0013	3
150170-0004	150201-0004	150201-0014	4
150170-0005	150201-0005	150201-0015	5
150170-0006	150201-0006	150201-0016	6
150170-0007	150201-0007	150201-0017	7
150170-0008	150201-0008	150201-0018	8

3.00mm Pitch TPA Retainer				
Non-Glow Wire Housing		Circuit Size	Glow Wire	Circuit Size
	HT			
150212-0003	150212-0013	3	150213-0002	2
150212-0004	150212-0014	4	150213-0004	4
150212-0005	150212-0015	5	150213-0005	5
150212-0006	150212-0016	6	150213-0008	8
150212-0007	150212-0017	7		
	150212-0018	8		

Non Glow Wire 3.00mm Pitch Housing Pigtail		Wire Length (mm)
150207-0001	2	300.00
150207-0002	3	
150207-0003	4	
150207-0004	5	
150207-0005	6	
150207-0006	7	
150207-0007	8	
150207-0008	2	150.00
150207-0009	3	
150207-0010	4	
150207-0011	5	
150207-0012	6	
150207-0013	7	
150207-0014	8	

www.molex.com/link/ditto.html

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