

Ditto Wire-to-Wire Connectors, Positive and Friction Lock Versions **molex**

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

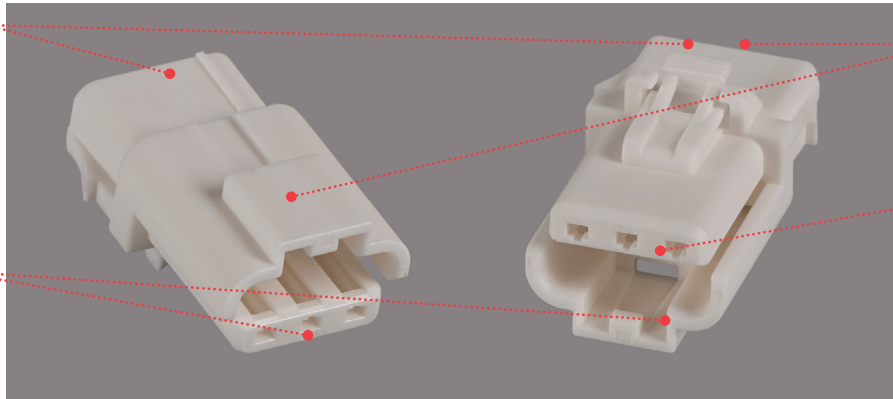
Prevents mis-mating of connectors

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



New!!

TPA (Terminal Position Assurance)

Prevents accidental terminal back-out during high-vibration conditions

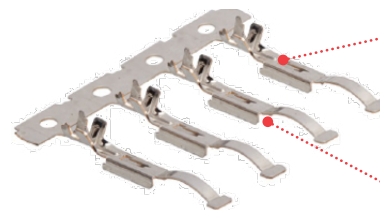


Reinforced wing-style feature

Protects locking lance from operator or assembly-processing damage

Polarized terminal

Prevents flipped (upside down) insertion into the connector housing



Applications

Consumer / Home Appliances

Fitness
Home Appliances
Home Entertainment
Home Office
Home Security



Consumer / Home Appliances / Lighting

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)



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

VDE File No.: 219197

RoHS compliant

Mates With: 150170/150201

Use With: UL1007 and 1061 wires or equivalent

Terminal Used: 150200

Designed In: (Millimeters or Inches)

RoHS: Yes, No or Compliant by Exemption

Halogen Free: PA66 - Yes or PA6 - No

Glow Wire Compliant: IEC60335-1

ELECTRICAL

Voltage (max.): 350V AC

Current (max.): 8A for 20AWG wires

Contact Resistance (max.): 3.5m Ω

Dielectric Withstanding Voltage: 1700V AC/minute

Insulation Resistance (min.): 1000 M Ω

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

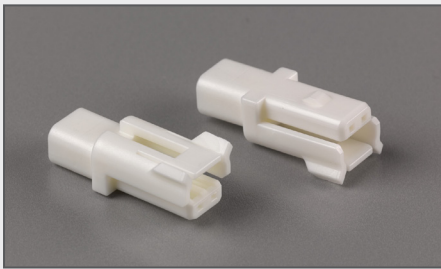
Housing: PA66 UL 94V-0 (non glow wire capable)

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

RoHS compliant

Mates With: 150170/150201

Use With: UL1007 and 1061 wires or equivalent

Terminal Used: 150200

Designed In: (Millimeters or Inches)

RoHS: Yes, No or Compliant by Exemption

Halogen Free: PA66 - Yes or PA6 - No

Glow Wire Compliant: IEC60335-1

ELECTRICAL

Voltage (max.): 350V AC

Current (max.): 5A for 20AWG wires

Contact Resistance (max.): 10m Ω

Dielectric Withstanding Voltage: 1700V AC/minute

Insulation Resistance (min.): 1000 M Ω

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

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Ordering Information

Series No.	Product Attribute	Circuit size
<u>36877</u> -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
<u>36876</u> -0001	2.50mm pitch Terminal	20-22
36876-0002		24-26

Series No.	Product Attribute	AWG
<u>150200</u> -0001	3.0mm Pitch Terminal	20-22
150200-0002		24-26

3.00mm Pitch Housing		Circuit size
Non Glow wire Housing	Glow wire Housing	
<u>150170</u> -0002	<u>150201</u> -0002	2
150170-0003	150201-0003	3
150170-0004	150201-0004	4
150170-0005	150201-0005	5
150170-0006	150201-0006	6
150170-0007	150201-0007	7
150170-0008	150201-0008	8

3.00mm Pitch TPA Retainer		Circuit size
Non Glow wire Housing	Glow wire Housing	
<u>150212</u> -0002	150213-0002	2
150212-0003	150213-0003	3
150212-0004	150213-0004	4
150212-0005	150213-0005	5
150212-0006	150213-0006	6
150212-0007	150213-0007	7
150212-0008	150213-0008	8

Non Glow wire 3.00mm Pitch Housing pigtail		Wire Length (mm)
<u>150207</u> -0001	2	300
150207-0002	3	
150207-0003	4	
150207-0004	5	
150207-0005	6	
150207-0006	7	
150207-0007	8	
150207-0008	2	150
1150207-0009	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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