MX64 Sealed Connectors for LED Module

molex

OEM-approved and USCAR-compliant compact, sealed connectors with improved terminal retention and polarization features for seamless mating possibilities with a variety of LED modules

MX64 2-circuit
Sealed Connector for LED Module

MX64 3-circuit
Sealed Connector for LED Module

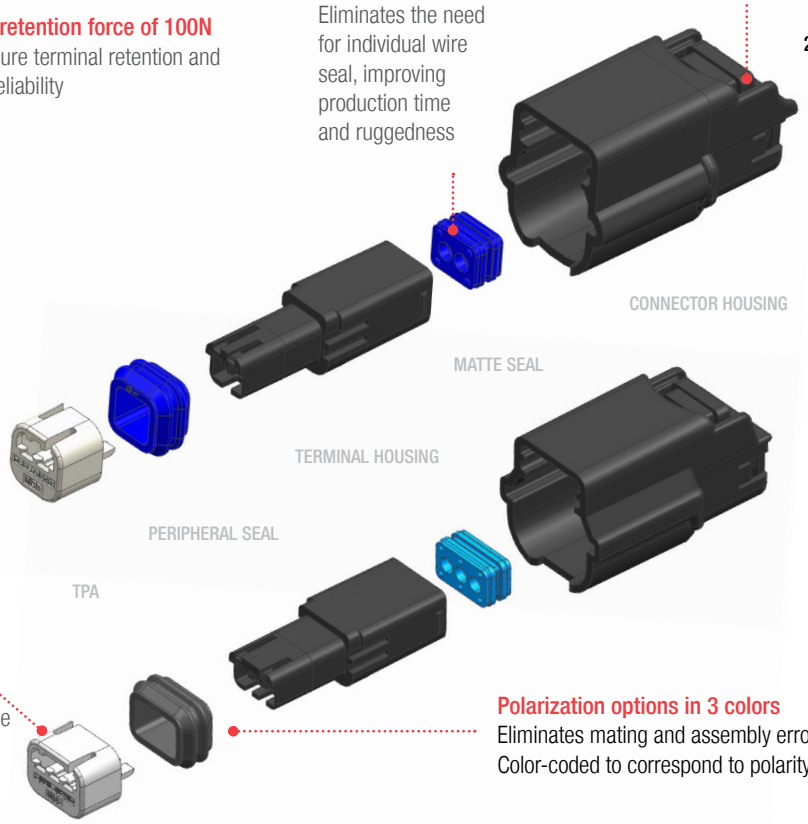
Features and Advantages

Wide latch for clear audible click
Facilitates secure mating

Matte Seal
Eliminates the need for individual wire seal, improving production time and ruggedness

Terminal retention force of 100N
Offers secure terminal retention and superior reliability

Accommodates 18-22 AWG wires and ISO metric wires
Supports US and offshore wire requirements



Terminal Position Assurance (TPA)
Locks terminals in place and prevents terminal backouts for secure connections

Polarization options in 3 colors
Eliminates mating and assembly errors
Color-coded to correspond to polarity

203511 LED connectors exploded view

Applications

Automotive

- Head lamps
- Daytime running lights (DRL)
- Front/Rear position lamps
- Fog lamps
- Side-marker lamps
- Turn signal lamps
- Reversing lamps
- Rear combination lamps
- Center high-mounted brake lamp

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Specifications

REFERENCE INFORMATION
Packaging: Bulk (housings), Reel (terminals)
Mates With: LED modules and other USCAR interfaces
Terminal Used: 33467, 33468
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low halogen
Glow Wire Compliant: No
Sealing Class: IP67

ELECTRICAL
Operating Voltage (max.): 14V DC
Current (max.): 10.0A (with Molex terminals)
Isolation Resistance (min.): 100 MΩ @500V DC

MECHANICAL
Terminal Insertion Force (max.): 70N
Terminal Extraction Force (min.): 75N (w/ TPA)
Connector Mating Force (max.): 70N
Connector Un-mating Force (min.): 75N
Housing Holding Force (min.): 100N
Mating Audible Click (min.): 7Db

PHYSICAL
Contact: Copper Alloy
Plating:
Contact Area: Tin (Sn)
Solder Tail Area: Copper Alloy
Operating Temperature: -40 to +125°C

Ordering Information

Series No.	Component	Style	Circuits	Polarization
203511-2110	Crimp housing	Sealed, single-row, female	2	A
203511-2210				B
203511-2310				C
203511-2410				D
203511-3110			3	A
203511-3112				A (terminal 2 plugged)

www.molex.com/link/mx64.html

Order No. 987651-8984 USA/0k/GF/2018.07