

Off-the-Shelf Squba 3.60mm-Pitch Sealed Wire-to-Wire Connector System

molex

Off-the-Shelf Squba 3.60mm-Pitch Sealed Wire-to-Wire Connector System is a patent-pending design that offers an IP67 NEMA rating and carries 14.0A of current to deliver reliable power in a wide range of space-constrained applications

Features and Advantages

Protected, low-profile positive latch

Prevents wire from getting caught on latch and damaging it. Minimizes latch size to prevent latch from adding to connector's package size

Sealed components with proven performance

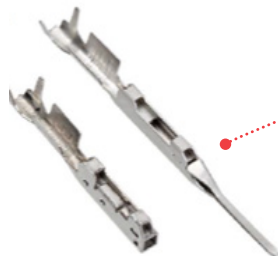
Delivers IP67 NEMA rating. Prevents ingress of dust and water to ensure reliable connection

Wraparound insulation crimp

Provides security against seal punctures

Primary lock enables 40N terminal retention

Delivers a reliable connection. Withstands vibration



Clean-body terminals

Avoids seal punctures



Squba 3.60mm-Pitch cable Assemblies



Miniature size (3.60mm pitch)
Alleviates space constraints

Seal caps

Protect seals from damage during shipping, handling and use. Align terminals to prevent seal from being punctured during assembly

Seal cap's protective terminal channels

Align terminals during insertion to prevent punctures to seal during connector assembly

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Markets and Applications

Consumer

Liquid Dispensing Equipment
HVAC Equipment
Security Systems
Outdoor Lighting
Landscaping Equipment

Commercial Vehicle

ATV
Marine: Under-Dash Wiring, Lighting
Forklifts
Trucks
Buses
Aviation
Recreational Vehicles

Industrial

Robotics
Industrial Machines and Motors
Food Processing Equipments/Plants
Industrial Controls

Equipment

Liquid Dispensers

Specifications*

REFERENCE INFORMATION

Packaging: Bulk (Connectors); Reels (Terminals)
UL File No.: E29179
CSA File No.: N/A
Use With: 16 AWG
Insulation Diameter: 1.90 to 2.40mm
Designed In: millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Compliant: Yes
IP Rating: IP67

ELECTRICAL

Voltage (max.): 600V
Current (max.): upto 14.0A
Contact Resistance: 10 milliohms
Dielectric Withstanding Voltage: 2200 VAC
(Unmate connectors for 1 minute between adjacent terminals and between terminals to ground)
Insulation Resistance: 1000 Megohms

MECHANICAL

Terminal Insertion Force (max.): 15N
Terminal Retention to Housing: 40N
Mating Force: 50N
Unmating Force: 10N
Durability (max.): 25 Cycles

PHYSICAL

Housing: Nylon
Contact: Copper Alloy
Plating:
Contact Area — Tin
Underplating — Tin
Operating Temperatures: -40 to +105°C

*Information is based on Squba 3.60mm-Pitch connector specifications

Ordering Information

Series	Component	Circuits	Lengths (mm)
216620	Squba 3.60mm-Pitch Cable Assemblies	2, 3 and 4	150, 300 and 600
216621			
216622			
216623			

Custom product	Description
Contact Molex	Squba 3.60mm-Pitch Custom Cable Assemblies

www.molex.com/link/otscableassemblies.html

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