

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

Off-the-Shelf Squba 3.60mm-Pitch Sealed Wire-to-Wire Connector System is a patent-pending design that offers an IP68 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

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



Squba 3.60mm-Pitch cable Assemblies

Sealed components with proven performance

Delivers IP68 NEMA rating. Prevents ingress of dust and water to ensure reliable connection



Miniature size (3.60mm pitch)

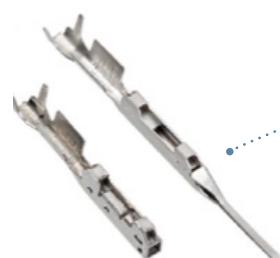
Alleviates space constraints

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

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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APPLICATIONS

Consumer

Liquid dispensing equipment
Hvac equipment
Security systems
Outdoor lighting
Landscaping equipment



Security Systems

Commercial Vehicle

ATV
Marine: under-dash wiring, lighting
Forklifts
Trucks
Buses
Aviation
Recreational vehicles



Robotic Arm



HVAC

Industrial

Robotics
Industrial machines and motors
Food processing equipments/plants
Industrial controls



ATV

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: IP68

ELECTRICAL

Voltage (max.): 600V
Current (max.): up to 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*

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ORDERING INFORMATION

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

Custom product	Description
<u>Contact Molex</u>	Squba 3.60mm-Pitch Custom Cable Assemblies

www.molex.com/link/otscableassemblies.html