

# 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

### Sealed components with proven performance

Delivers IP68 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

### 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

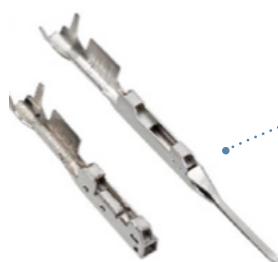
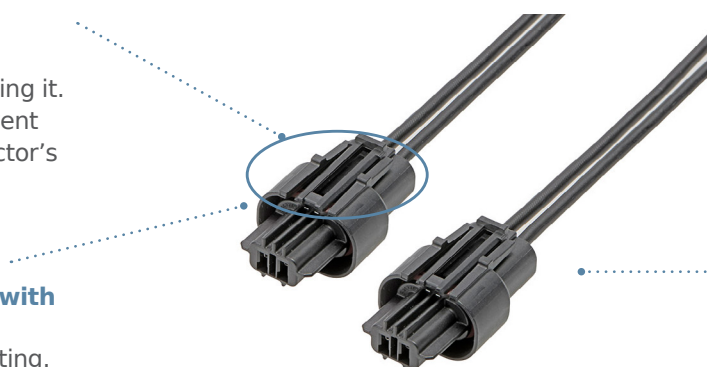
Align terminals during insertion to prevent punctures to seal during connector assembly

### Clean-body terminals

Avoids seal punctures



Squba 3.60mm-Pitch  
cable Assemblies



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## 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



Security Systems



Robotic Arm



HVAC



ATV

## 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

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

### 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

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## ORDERING INFORMATION

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

Custom product	Description
<a href="#">Contact Molex</a>	Squba 3.60mm-Pitch Custom Cable Assemblies

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)