

## Datasheet for 76650-0166

### General Information

<b>Part Number:</b>	76650-0166
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Sealed Splash Proof Connector Kit
<b>Description:</b>	Sealed Plug and Receptacle, JIS D0203 S2 Waterproof Compliant
<b>Product Family:</b>	Mini-Splash Proof
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Wire
<b>Pitch:</b>	2.50mm (.098")
<b>Connector Type:</b>	Receptacles and Plugs
<b>Circuit Sizes:</b>	2, 3 and 4
<b>Current Rating:</b>	(3-4) Amp - Dependant on Wire Gauge
<b>Voltage:</b>	25 Volts
<b>Wire:</b>	22-20 AWG

### Product Highlights

2.50 mm (.098") pitch Mini-Splash Proof, is a 2-4 circuit water-resistant WTW connector system. Mini-Splash Proof connectors are sealed for moisture environments, and JIS D0203 S2 Waterproof Compliant.

#### Features and Benefits

- JIS D0203 S2 waterproof compliant
- Unique seal stopper design provides low insertion force
- For tight packaging applications
- User-friendly friction lock saves space and protects locking latch area
- Polarizing rib to ensure proper mating
- Unique spring-beam design provides high pressure and small deflection for high vibration applications
- Stabilizing bump at tip keeps terminal in place during mating
- Raised split-beam design provides polarization
- Seal is in housing to simplify crimping process

#### Applications

- Motorcycle
- Recreation Vehicle
- Marine/Boat
- Bus
- Automobile Door Mirror
- Heated Toilet Seat
- Bug Zapper
- Outdoor Lighted Sign
- Vending Machine
- Medical
- Factory Automation Equipment

**[For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com](http://www.molexkits.com)**

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**Bill of Materials for Part No. 76650-0166**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
50147-8100	Japan	Male (Mini) Splash Proof Crimp Terminals 22-20 AWG	50
50148-8100	Japan	Female (Mini) Splash Proof Crimp Terminals 22-20 AWG	50
52213-0211	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Receptacle, 2 Circuit Version	5
52266-0211	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Plug, 2 Circuit Version	5
52213-0311	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Receptacle, 3 Circuit	3
52266-0311	Japan	2.50mm (.098") Pitch (Mini) Splash Proof Plug, 3 Circuit	3
52213-0417	Japan	2.50mm (.098") Pitch Splash Proof Receptacle Housing, 4 Circuits	2
52266-0417	Japan	2.50mm (.098") Pitch Splash Proof Plug Housing, 4 Circuits	2

**Recommended Molex Tools for Part No. 76650-0166\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63811-8600 *	Singapore	Hand Crimp Tool - Splash Proof
57132-5000 *	Mexico	Hand Crimp Tool - Splash Proof - JAPAN
57147-6000 *	Mexico	Cap Tool - JAPAN
11-03-0043 *	USA	Extraction Tool

\*Tool(s) not included in kit. Tool(s) ordered separately.