

## 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

<b>Design</b>	
<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	Applications
<ul style="list-style-type: none"><li>• JIS D0203 S2 waterproof compliant</li><li>• Unique seal stopper design provides low insertion force</li><li>• For tight packaging applications</li><li>• User-friendly friction lock saves space and protects locking latch area</li><li>• Polarizing rib to ensure proper mating</li><li>• Unique spring-beam design provides high pressure and small deflection for high vibration applications</li><li>• Stabilizing bump at tip keeps terminal in place during mating</li><li>• Raised split-beam design provides polarization</li><li>• Seal is in housing to simplify crimping process</li></ul>	<ul style="list-style-type: none"><li>• Motorcycle</li><li>• Recreation Vehicle</li><li>• Marine/Boat</li><li>• Bus</li><li>• Automobile Door Mirror</li><li>• Heated Toilet Seat</li><li>• Bug Zapper</li><li>• Outdoor Lighted Sign</li><li>• Vending Machine</li><li>• Medical</li><li>• Factory Automation Equipment</li></ul>

**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

Molex Part No.	Country of Origin	Description	Quantity in Kit
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\*

Molex Part No.	Country of Origin	Description
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.