

## Datasheet for 76650-0166

### General Information

|                           |                        |
|---------------------------|------------------------|
| <b>Kit Part Number:</b>   | 76650-0166             |
| <b>Connector Type:</b>    | Industrial             |
| <b>Solution:</b>          | Sealed Connectors      |
| <b>Molex Family:</b>      | Splash Proof           |
| <b>Certificates:</b>      | N/A                    |
| <b>Country of Origin:</b> | Kit assembled in U.S.A |

### Specifications

|                          |                    |
|--------------------------|--------------------|
| <b>Circuit Size:</b>     | 2, 3, 4            |
| <b>Current Rating:</b>   | 3-4A               |
| <b>Mounting Style:</b>   | Non-Mounted        |
| <b>Orientation:</b>      | Plugs, Receptacles |
| <b>Pitch:</b>            | 2.50mm (.098")     |
| <b>Tool Included:</b>    | No                 |
| <b>Voltage Rating:</b>   | 25V                |
| <b>Wire Gauge (AWG):</b> | 22-20              |

### 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

<http://www.molexkits.com>

- Medical
- Factory Automation Equipment

**Bill of Materials**

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

**Recommended Molex Tool**

| <b>Molex Part No.</b>            | <b>Description</b>                  |
|----------------------------------|-------------------------------------|
| 63811-8600 (not included in kit) | <a href="#">Click for more info</a> |
| 57132-5000 (not included in kit) | <a href="#">Click for more info</a> |