

Datasheet for 76650-0166

General Information

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

Specifications

Design

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

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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.