3.0mm PITCH WATERPROOF CONNECTORS

Multi-Configuration Waterproof Connectivity Solution



KEY SPECIFICATIONS

A 3.0mm waterproof connector solution for industrial equipment. Offers multiple pin-count options, stable transmission, reliable sealing, and cost-effective performance.

- **Pitch**: 3.0 mm
- **Rated Current**: 10A Max. (AC/DC)
- **Rated Voltage**: 250V AC/DC
- **Waterproof Rating**: IPX7
- **Contact Resistance**: 10 mΩ Max.
- **Insulation Resistance**: 1000 MΩ Min.
- **Dielectric Withstanding Voltage**: 1000V AC / 1 Min
- **Operating Temperature**: –40°C to +120°C
- **Applicable Pin Count**: 1x2 to 1x6 Pin, 2x3 to 2x6 Pin
- **Applicable Wire Gauge**: AWG18–22

COMPONENTS

01 Plug Housing

M30032WP

Positions: 1x2–1x6 Pin, 2x3–2x6 Pin

Matching Terminal: T20032WPPS-2



02 Receptacle Housing

M30033WP

Positions: 1x2–1x6 Pin, 2x3–2x6 Pin

Matching Terminal: T30033WPPS-2



03 Panel-Mount Receptacle

M30033WP-2xN-W-P

Positions: 1x3–1x6 Pin, 2x3–2x6 Pin

Mounting: Panel-mounted, suitable for internal and external equipment connections



04 Latch-Type Receptacle

M30033WP-2xN-W-K

Positions: 1x3–1x6 Pin, 2x3–2x6 Pin

Mounting: Latch-lock, for wire-to-wire connection



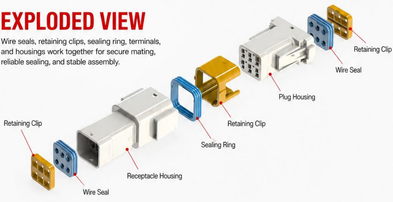
TERMINALS

Female Terminal: T30032WPPS-2
Male Terminal: T30033WPPS-2
Material: Copper Alloy
Plating: Tin Plated
Applicable Wire Gauge: AWG18–22



EXPLODED VIEW

Wire seals, retaining clips, sealing ring, terminals, and housings work together for secure mating, reliable sealing, and stable assembly.



APPLICATIONS

Developed for higher-value connectivity across outdoor and industrial applications.



Outdoor Equipment



Motors



Agricultural Drones



Outdoor Spotlights



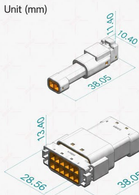
Automotive Door Locks



Smart Wheelchairs

MATING DIMENSIONS

Unit (mm)



IPX7 WATERPROOF PROTECTION

Reliable sealed design helps withstand humidity, rain, and temporary immersion.

IPX7

PRODUCT ROADMAP

Designed for industrial equipment and outdoor applications, the 3.0mm waterproof connector series includes plug and receptacle housings, board headers, and terminal systems.

Standard, latch-type, and panel-mount versions support stable transmission, reliable waterproofing, and flexible installation requirements.

