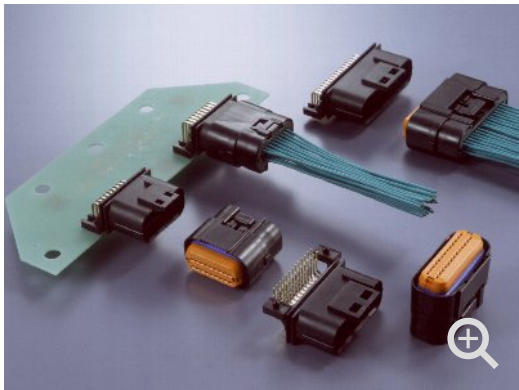


# MX23A Series (Waterproof Board-to-Cable 040 Contact Connectors)

## Compact Waterproof Board-to-Cable 040 Contact Connectors



MX23A connector is a compact, low-profile, waterproof connector that can be used in a wide range of waterproof equipment including automobiles, motorcycles and other outdoor equipment. This connector has high environmental capability with a waterproof structure consisting of a seal ring in its mating area and a grommet in its wire insertion area for full protection against water. Reverse type pin connector (with pins facing up) is also available in consideration of mounting flexibility.

## Features

- Low profile with board mounting height of 18.3mm and socket connector height of 22.2mm max. (2-row type : 12 to 34 pos.)
- Two leaf springs with high reliability is adopted for socket contact and large chamfer is prepared in the front-edge to prevent damaging the grommet.
- Incomplete insertion of socket contact into its housing can be detected with the front cap mounting process.
- Fully waterproof grommet is used for crimped socket contact insertion area to reduce size.
- Water ingress protection is achieved in connector's mating area with a seal ring . It is fully protected from handling by the insulator.
- Reverse type pin connector (with pins facing up) is also available. (18, 26, 34 pos.)

## Applications

Waterproof equipment for automobiles, motorcycles, and general waterproof equipment

## General Specifications

Contact Pitch	2.5 mm
Number of Positions	2-row: 12, 18, 26, 34, 40 3-row: 36

Rated Current	3 A
Dielectric Withstanding Voltage	AC 1,000 Vr.m.s. (1 minute)
Insulation Resistance	100 megohm min.
Contact Resistance	5m ohm max. (initial) 10m ohm max. (post-test)
Operating Temperature Range	-40 deg. C to +125 deg. C, (Including temperature rise caused by power distribution)
Applicable Cable (Cable Type, Conductive Area)	AVSS 0.3 to 1.25 mm <sup>2</sup>

**Notice**

1. The values specified in this web site are only for reference. The products and their specifications are subject to change without notice.  
Contact our sales staff for further information before considering or ordering any of our products.  
For purchase, a product specification must be agreed upon.
2. Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry. Also contact us regarding the details of use, usage, specification before considering or ordering any of our products.
3. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.