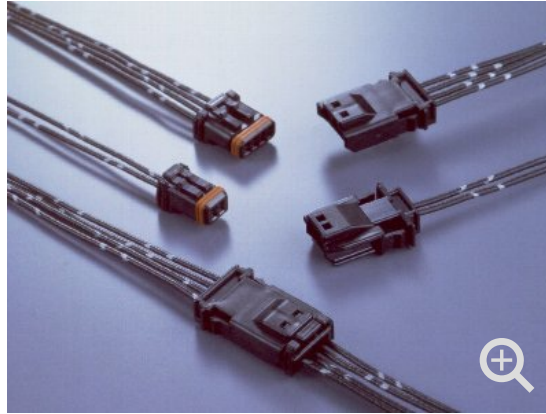


# MX19 Series (Waterproof Cable-to-Cable 040 Contact Connectors)

## Small Waterproof 040 Contact Connectors



The MX19 series compact waterproof connector is designed mainly for automotive applications. These relay connectors are designed to endure harsh environments and weather conditions. The grommet includes a rear cover that allows an effective harness assembling process. The compact two-plate spring mechanism in the terminals improve contact reliability. The MX19 Series Connector is ideal for compact car units, such as the door side mirrors, where space is limited and are required to be waterproof.

## Features

- 040 contacts, small waterproof connectors
- Cable-to-Cable(relay) application.
- Compact, waterproof, Compliant with JIS D0203 S1
- Mechanical lock system enabling complete mating with a click.
- Mechanical lock system to withstand vibration and tension.
- Improved harness assembly and insertion of terminals into housing thanks to a grommet with rear cover.
- Rear cover protects the grommet from damage on terminal insertion, withstands cable flaps, and improves waterproof reliability.
- Terminals have a two-plate spring mechanism with long beam length, which results in a low force insertion and stress dispersion. The highly reliable contact mechanism can withstand the particular types of vibration caused by an automobile.

## General Specifications

<b>Contact Pitch</b>	2.5 mm
<b>Number of Positions</b>	2, 4

<b>Rated Current</b>	5 A
<b>Dielectric Withstanding Voltage</b>	1000 VACr.m.s. (1 minute)
<b>Insulation Resistance</b>	100 megohm min.
<b>Contact Resistance</b>	10 milliohm max. (initial)
<b>Operating Temperature Range</b>	-40 deg. C to +85 deg. C
<b>Waterproof</b>	compliant with JIS D0203 S1
<b>Applicable Cable (Cable Type, Conductive Area)</b>	CAVS: 0.3 to 0.5 mm <sup>2</sup> , AVSS: 0.5 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.