

# N/MS Series (Circular Connector Compatible to MS Standard)

## Circular Connector Compatible to MS Standard



Developed as a successor product to our MIL-DTL-5015 compatible MS connector, which had been distributed for over 50 years.

RoHS compliant product. Hazardous substances contained in MS connectors (Lead, Cadmium, hexavalent chromium) are not used.

Compatible with our conventional MS connector. Shape of outer shell is in common.

UL Standard qualified product (File No. E67741)

The head of the part number changed from MS to N/MS. No change for the rest of the part number.

## Features

- MIL-DTL-5015 compliant and MS-connector compatible
- Standard circular connector with a wide variety of types, sizes and insert options
- Screw-driven mating/disengagement allows for easy operation with minimal force
- Selectable insulator to fit pin and socket insert in either plug or receptacle
- Polarization
- Alternative insert positions

## Applications

Industrial equipment, Machine tools, FA equipment, Telecommunications devices, Measurement equipment, Broadcast systems, Medical equipment, Computers and peripherals, and other electronic/ electric equipment

## General Specifications

<b>Number of Contacts</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 19, 22, 24, 26, 35, 37, 48, 54
<b>Rated Current (Par Contact), For Individual Contact Only</b>	Contact size, #16: 22 A max., #12: 41 A max., #8: 73 A max., #4: 135 A max., #0: 245 A max.

<b>Rated Current (Par Contact), Assembled In Insulator</b>	Contact size, #16: 13 A max., #12: 23 A max., #8: 46 A max., #4: 80 A max., #0: 150 A max.
<b>Rated Voltage, For Individual Contact Only</b>	Classification code, INST: 250 VDC, A: 700 VDC, D: 1250 VDC, E: 1750 VDC, B: 2450 VDC, C: 4200 VDC
<b>Rated Voltage, Assembled In Insulator</b>	Classification code, INST: 200 VACr.m.s., A: 500 VACr.m.s., D: 900 VACr.m.s., E: 1250 VACr.m.s., B: 1750 VACr.m.s., C: 3000 VACr.m.s.
<b>Dielectric Withstanding Voltage (1 minute)</b>	Classification code, INST: 1000 VACr.m.s., A: 2000 VACr.m.s., D: 2800 VACr.m.s., E: 3500 VACr.m.s., B: 4500 VACr.m.s., C: 7000 VACr.m.s.
<b>Insulation Resistance</b>	5000 megohm min. (at 5000 VDC)
<b>Applicable Wire Size</b>	Contact size, #16: 1.25 mm <sup>2</sup> max., #12: 3.5 mm <sup>2</sup> max., #8: 8 mm <sup>2</sup> max., #4: 22 mm <sup>2</sup> max., #0: 50 mm <sup>2</sup> max.
<b>Color</b>	Black series interference color, Interference color is a complex color like rainbow color, which appears by interference of lights that is seen with oil floating on water.
<b>Outer Shell Finishing</b>	Trivalent black colored chrome treatment over zinc plating
<b>Pre-Soldering</b>	No pre-soldering on contact
<b>Mark</b>	Mark on cable clamp and bushing. No mark on outer shell.

#### **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. 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.
3. The products presented in this web site are designed for the uses recommended below.  
We strongly suggest you contact our sales staff when considering use of any of the products in

any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

\* Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster evention equipment, etc.

\* We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

\* Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc