

MX72C/MX72D Series (Squib Connector for Automotive SRS Devices)

Self Rejecting Squib Connector Without Shorting Bar



Following the success of our AK2 compatible self-rejecting connectors (MX72A/B), JAE has now developed self-rejecting connectors (MX72C/D) without shorting bar, suitable for numerous SRS and pyrotechnic applications.

With a focus on system cost reductions, MX72C/D interface is designed without a shorting bar (no shunt installed). This interface complies with USCAR and ISO standards (see below). It is also commonly referred to as AK3, ABX-5.

For this interface without shorting bar, JAE has successfully adapted the industry proven self-rejecting mechanism from MX72A/B to develop MX72C/D. This connector system ensures mating by implementing a reliable one-step mating process. Its internal spring-loaded slider mechanism engages only when the connector is correctly installed. If the connector is partially mated, it actively self-rejects by springing away plug from receptacle.

* Interface standards: USCAR: 999-U-002-1-Z04, ISO: ISO-19072-1, 5

The MX72C/D Series connectors are only sold as a harness assembly. The connector components are not sold separately.

Features

- Spring-loaded, self-rejecting mechanism ensures complete mating
- 4 colour key code models prevent incorrect SRS device mating
- Gold plated terminals provide stable 3-points of contact reliability
- Applicable wire sizes include 0.35 mm², 0.50 mm²
- Convenient quick connect and quick disconnect design
- Clear audible and tactile feedback for connection assurance
- Gaps and apertures minimized to protect from dust and debris ingress

Applications

Automotive Safety Restraint Systems (SRS), Airbag inflators, Seat belt pre-tensioners and retractors, Pyro fuse inflators

General Specifications

Number of Positions	2 positions
Applicable Standard	USCAR-2, USCAR-21
Contact Resistance	10 milliohm max.
Connector Insertion Force	45 N max.
Applicable Wire Size (mm²)	FLRY B 0.35 mm ² , 0.5 mm ²
Operating Temperature Range	-40 Deg. C to +100 Deg. C

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.