

# TE Connectivity DEUTSCH 369 Series Connectors



## HARSH ENVIRONMENT CONNECTORS PERFECT FOR AIRCRAFT CABIN SYSTEMS

TE DEUTSCH 369 series connectors offer high reliability in a compact, lightweight, fully sealed and cost-effective composite design. These harsh environment connectors are perfect for use in commercial aircraft cabin systems and other aerospace applications. Based on the popular TE DEUTSCH ARINC 809/EN4165 single module connector, 369 series connectors are available in 3, 6 and 9 contacts. AS39029 contacts can be easily extracted and reinserted using standard tooling and cable installation and maintenance is simple, with individually color-coded keying options. A scoop-proof design prevents damage and permits mating in low visibility conditions.

## APPLICATIONS

- Aerospace cabin systems
- Automotive safety & security system connectors
- Traffic control equipment
- Marine industrial connectors
- Truck accessory disconnects
- Mining ventilation systems
- Car interconnections
- RV interconnections

## FEATURES

- 3, 6 and 9 way configurations
- Based on existing ARINC 809 / EN4165
- Low smoke composite materials
- Robust design
- Mounting of in-line with cable-tie
- Button latching mechanism
- Color-coded keyed shells
- Scoop-proof interface
- Military standard AS39029 contacts
- Latch security feature
- Fully sealed

**MATERIALS AND FINISHES**

Shells, Insulators and backshells	High performance thermoplastic
Contacts	Copper alloy, gold plated
Seals	Fluorosilicone rubber

Designed to meet the requirements of RoHS

**ELECTRICAL DATA**

Dielectric withstanding voltage	1300 Vrms mated, <2 mA leakage
Operating current	5 A (size 22)

**MECHANICAL DATA**

Operating temperature	-55°C to +175°C (-67°F to +347°F)
Fluid resistance	I.A.W. EN2591-315
Sealing	12.1 kPa (1.75 psi) [ 15 km/(50,000 ft) altitude] / IP67
Vibration	EN2591-403, Method B, Level E, 8h/axis
Smoke & Toxicity	I.A.W. FAR 25.853, Appendix F
Flammability	I.A.W. FAR25.853 Appendix F; EN2591-317
Durability	500 mating cycles
Shock	EN2591-402, Method A, severity 100
Sealing Range size 22	.071 to 1.37mm (.028 to .054")