



DEUTSCH

New 369 Series

Product Detail

'369' is a registered trademark of Deutsch



Federal Aviation
Administration



- **Regulations** FAA/CAA
- **Tightened controls** on sub-system EWIS
- **Smoke & Toxicity** small part exemption no longer tolerated
- Automotive type connectors unsuitable



369[®] | Key Applications



Applications

- Cabin & seat lighting
- Panel interconnection
- Oxygen systems
- Passenger power & audio outlet
- Seat actuators
- Galley / Washroom



369[®] | Advantage



369[®] | Advantage



	New 369 Series	Typical automotive type connector
Meets aerospace smoke and toxicity needs	✓	✗
Wide temperature operation	✓	✗
Sealing against moisture / dust ingress	✓	✗
Maintainable & repairable	✓	✗
Vibration, shock and durability endurance	✓	✗
Protected contacts	✓	✗
Easy to couple	✓	✗
Prevents mis-mating	✓	✗
Visual 'connect-to' coding	✓	✗
Mechanical support for wire	✓	✗
Security for inadvertent un-mating	✓	✗
Integrated mounting features	✓	✗

369[®] | Features



- Based on the market №1 Cabin and IFE connector



369[®] | Features



Meets aerospace smoke and toxicity needs / Wide temperature operation

- Aerospace grade materials of construction
- IAW FAR 25.853
- Aerospace fluids resistance
- 55°C to +175°C

RoHS
Compliant



369[®] | Features



Sealed against moisture / dust ingress

- Cork-in-bottle interfacial sealing
- Triple wire seal

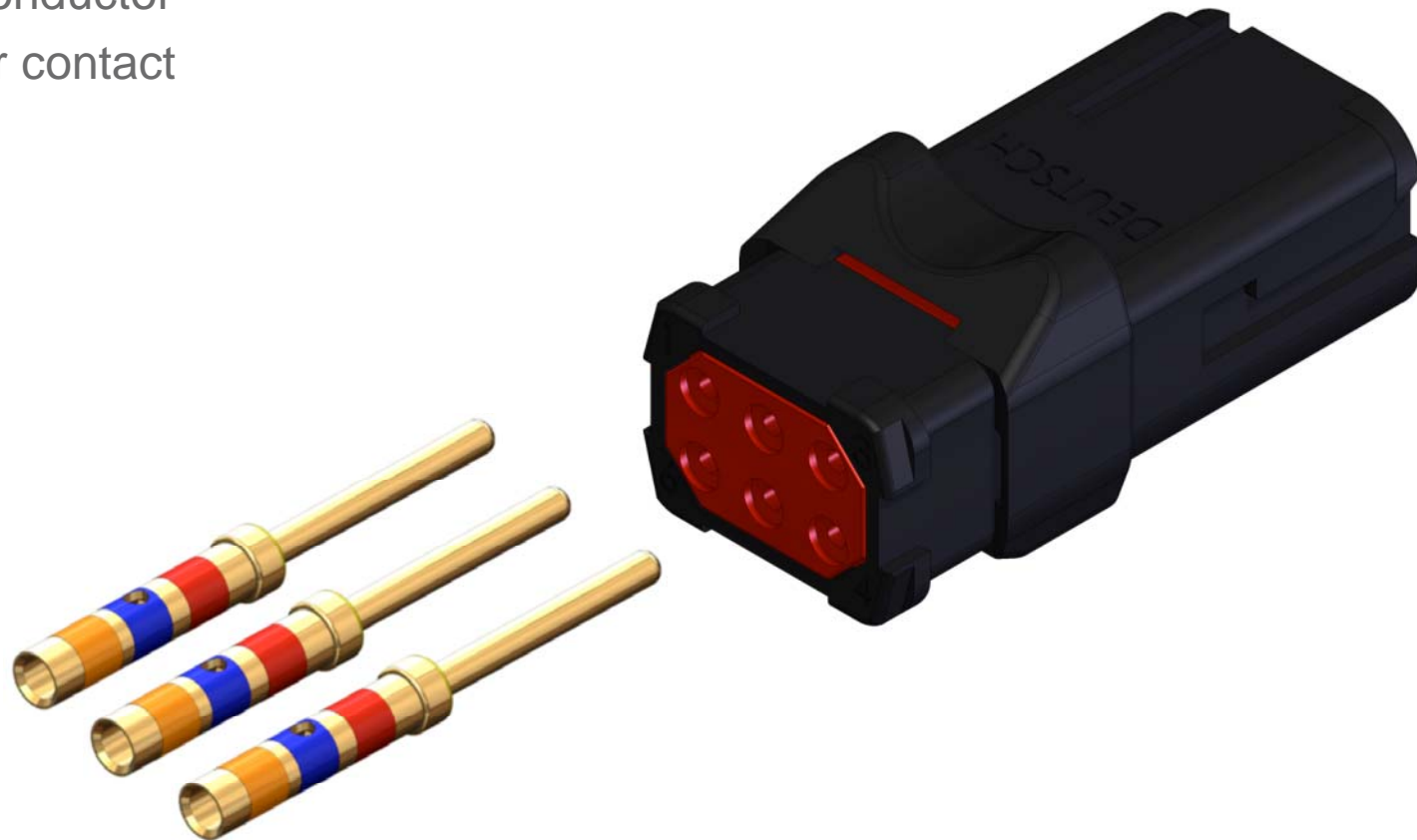


369[®] | Features



Maintainable & repairable

- Rear removable contacts
- Military standard AS39029 gold-plated contacts
- 22 AWG conductor
- 5 amps per contact



369[®] | Features



Vibration, shock and durability endurance

- Robust materials
- Proven design principles



369[®] | Features



Protected contacts

- Scoop proof interface



369[®] | Features



Ease of use / Easy to couple

- Button latch mechanism
- Tactile shape and grip
- Audible 'click'
- Can feel when not fully mated
- Streamlined to prevent snagging



369[®] | Features



Prevents mis-mating / Visual 'connect-to' coding

- 5 moulded-in keying options
- Colour coded for easy installation
- Male / Female insert option

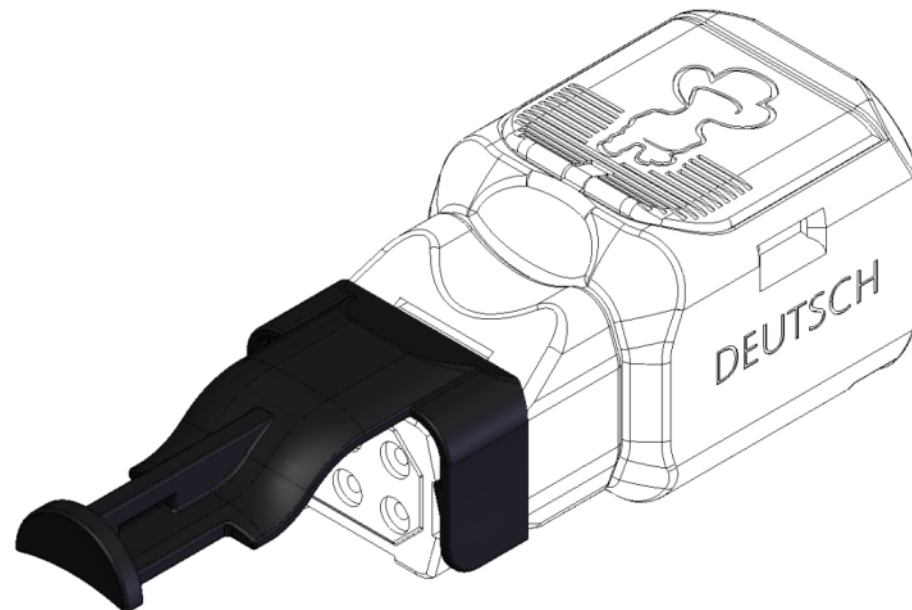


369[®] | Features



Mechanical support for wire

- Wire support
 - Wire seal
 - Backshell
- Simple cable-tie fixing

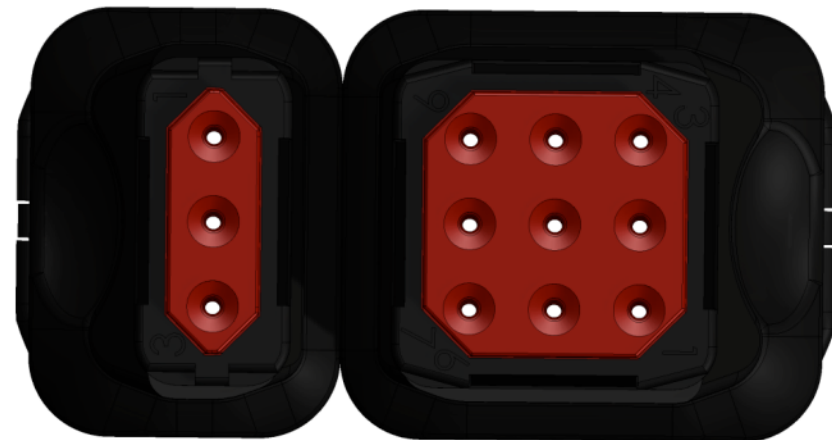
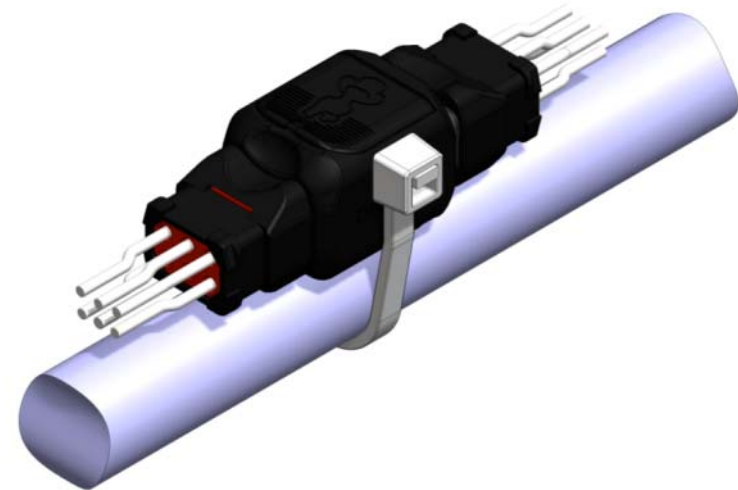


369[®] | Features



Security for inadvertent un-mating / Integrated mounting

- Simple mounting with cable-tie
- Easily mount on cables, brackets, chassis
- Prevents inadvertent button operation
- Simple visual indication when fully mated
- Back-to-back alignment ribs



369[®] | Features



Range of sizes

- Size 3
- Size 6
- Size 9



369[®] | Features



Very compact and lightweight

- 3 way pair: 2.83g
- 6 way pair: 3.90g
- 9 way pair: 4.92g
- Mated contact pair: 0.185g



Mass figures for connectors above are without contacts