

High-voltage Shielded Connector

High-voltage connectors for electric vehicles, achieving high flexibility in installation, waterproofing, and electromagnetic shielding

Background or Challenges

With increasing demand for space-saving, achieving both flexible layout and connection reliability is critical

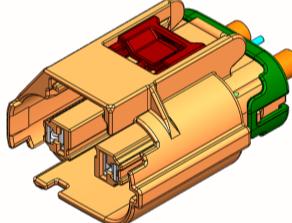
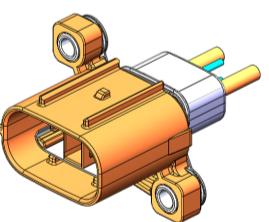
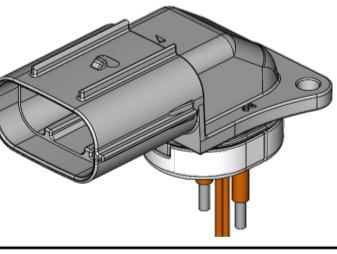
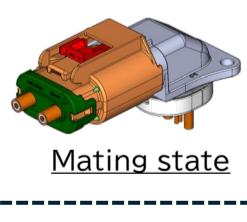
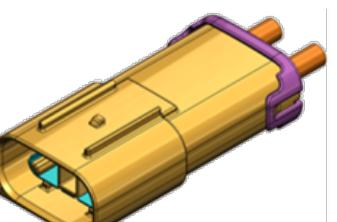
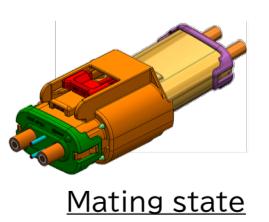
Solutions to Challenges or Features

- 1 Connector variations available: wire extraction direction of 180°/90° and wire-to-wire types
- 2 Ensures high reliability through extensive market experience and meets specification requirements

Specifications

Number of poles	2
Terminal size	4.8
Wire size [mm ²]	3 to 5
Rated current [A] (Wire size)	40 at 105°C (5mm ²) 32 at 105°C (3mm ²)
Rated voltage [V]	600
Waterproof rating	IPX7 (50kPa or more)
Vibration resistance	USCAR-2(V2)
Interlock	Equipped

Connector variations

Female		180° (for device)
		
Male		90° (for device)
		Mating state
		Wire-to-Wire
		Mating state