Amphenol Automotive Connection Systems (Changzhou) Co., Ltd

# **HVPC 16mm 2 Poles Connector**

High voltage, high current, 35 & 50mm<sup>2</sup> wire, metal shielded, HVIL

#### Part-No:

→ Plug:

HVPC2P16MV135 (50mm²)
Cable Diameter: 14.4+0/-0.6mm
HVPC2P16MV150 (50mm²)
Cable Diameter: 15.8+0/-0.6mm

→ Socket:

HVPC2P16FV100 (without HVIL) HVPC2P16FV1XX (with HVIL)

# Mating design:

→ Locking assurance by CPA

# **Terminal System:**

- → W=16mm, T=2.5mm, Silver plated
- → Wire size 35/50mm², shielding
- → HVIL contact system

#### **Termination technology:**

- → Ultrasonic welding for power terminal
- Crimping for HVIL terminal

#### General:

- → IP67,IP6K9K(Mated)
- → IPXXB(unmated)
- → HVIL
- → 360° shielding
- → Coding: A/B/C/D
- → Only match with silicone jacket cable

### **Performance characteristics:**

→ Pull out force: ≥ 500N

→ Temperature range: -40°C to +140°C

→ Rated voltage: 1000V / DC

→ Mating cycles: 50min

→ Power Rated(@85°C):

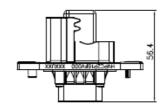
35mm² Copper cable: 210A 50mm² Copper cable: 280A 50mm² Aluminium cable: 210A

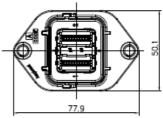


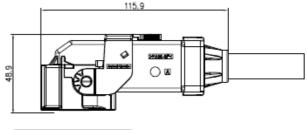
#### **Construction:**

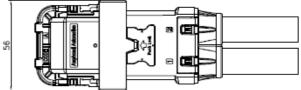
→ Housing material: PA66-GF( UL94 V-0)

→ Terminal material: Copper alloy→ RFI/EMI protection: Metal shielding









# **Amphenol**