

Automotive Products Group China Operation

# HVC 8mm AK 2 poles connector (180°)

High voltage, high current, 25mm<sup>2</sup>~50mm<sup>2</sup> wire, metal shielded, HVIL

#### Part-No.:

→ Plug:

HVC2P80FSX25 (25 mm² Ø11.6~12.2) HVC2P80FSX35 (35 mm² Ø13.8~14.4) HVC2P80FSX50 (50 mm² Ø15.2~15.8)

- Socket:
- → HVC2P80MVX XX

Busbar type
Code:

1:Code A ;2:Code B 3:Code C ;4:Code D

## **Mating design:**

- Serviceable locking leg
- → Locking assurance by CPA
- → Operation with handle

### **Terminal system:**

- → 2x Ø 8 mm Radsok, silver plated
- → Wire size 25/35/50mm<sup>2</sup>, shielding
- → HVIL contact system

# **Terminal technology:**

- Crimping for power termination
- → Screw fasten for power terminal
- → Crimping for HVIL termination

#### General:

- → IP67, IP6K9K (mated)
- → IPXXB (unmated)
- → HVIL
- → 360° shielding
- → Coding: 1/2/3/4

#### **Performance characteristics:**

- → Unmating force: ≤ 100N
- → Temperature range: -40°C to+140°C
- → Max. rated voltage:1000V DC
- Mating cycles: 50 min.
- → Max. current : (85°C)

25mm<sup>2</sup>=150A 35mm<sup>2</sup>=180A 50mm<sup>2</sup>=220A

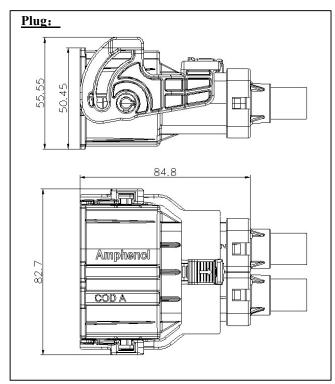
#### **Construction:**

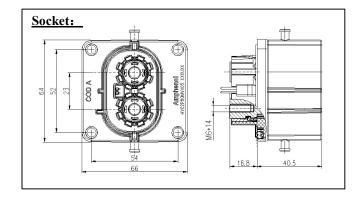
→ Housing material: PA66-GF V0, orange

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



# **Dimensional characteristics:**





# **Amphenol**