Amphenol

Amphenol Automotive Connection Systems

HVC 10mm AK 2 poles connector (180°)

High voltage, high current, 35mm²~70mm² wire, metal shielded, HVIL

Part-No.:

→ Plug:

HVC2P10FSX35 (35mm²) HVC2P10FSX50 (50mm²) HVC2P10FSX70 (70mm²)

Socket:

HVC2P10MVX00 (type 1, Ø6.2mm) "X" indicates code 1/2/3/4

Mating design:

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

Terminal system:

- → 2x Ø 10 mm Radsok, silver plated
- → Wire size 35/50/70mm², shielding
- → HVIL contact system

Terminal technology:

- Crimping for power termination
- → Crimping for HVIL termination

General:

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

Standard:

→ LV215

Performance characteristics:

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

35mm²=180A 50mm²=220A 70mm²=280A

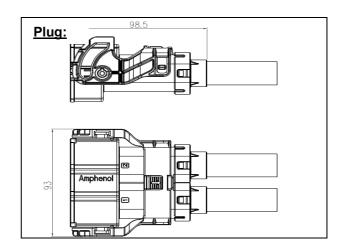
Construction:

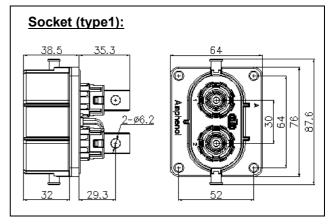
Housing material: PA66-GF V0, orange

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



Dimensional characteristics:





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