

HVMC1P12 1Pole High Voltage Connector (180°)

High Voltage, High current, 35mm²~70mm² Wire, Metal shield, HVIL

Part NO:

- Plug:
 - HVMC1P12FSX35 (35mm²:13.8~14.4)
 - HVMC1P12FSX50 (50mm²:15.2~15.8)
 - HVMC1P12FSX70 (70mm²:17.4~18.2)
 - Socket:
 - HVMC1P12MVX01 (Type1, M8)
 - HVMC1P12MVX02 (Type2, M6)
- "X" indicates code 1/2/3/4

Mating design:

- Automatic locking by metal buckle
- Locking assurance by CPA

Terminal:

- 1x Ø 12 mm Radsok, silver plated
- Wire size 35/50/70mm², shielding
- With 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° Shield
- Coding: 1/2/3/4

Standard:

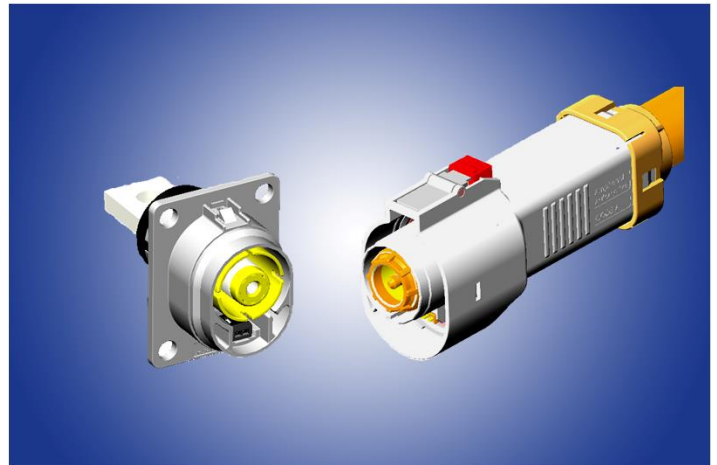
- LV215

Performance characteristics:

- Unmating force: ≤ 100N
- Temperature range: -40°C to +140°C
- Max. rated voltage: 800V DC
- Withstand Voltage: 2500VAC, 1Min
- Insul. Resistance: ≥ 200MΩ @ 1KVDC
- Mating cycles: 50 min.
- Max. current @ 85°C:
 - 35mm²=200A
 - 50mm²=250A
 - 70mm²=300A

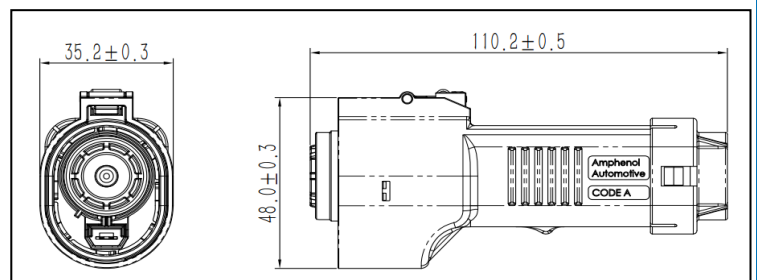
Construction:

- Housing material: PA66-GF V0, orange
- Terminal material: Copper alloy, Ag plating
- RFI/EMI protection: metal shielding



Dimensional characteristics:

Plug:



Socket (Type1):

