

### HVRC2P30 High Voltage Connector

High voltage, high current, 2.5/4/6mm<sup>2</sup> wire, Code 1/2/3

#### Part-No:

- Plug:
    - HVRC2P30FS X 02S (2.5 mm<sup>2</sup>:4.2~4.7mm)
    - HVRC2P30FS X 04S (4.0 mm<sup>2</sup>:5.3~5.8mm)
    - HVRC2P30FS X 06S (6.0 mm<sup>2</sup>:6.0~6.5mm)
  - Socket:
    - HVRC2P30MS X 02 (2.5 mm<sup>2</sup>:3.3~3.6mm)
    - HVRC2P30MS X 04 (4.0 mm<sup>2</sup>:4.0~4.4mm)
    - HVRC2P30MS X 06 (6.0 mm<sup>2</sup>:4.6~5.0mm)
- "X" indicates code 1/2/3

#### Mating design:

- Push-pull locking

#### Terminal system:

- HVIL contact system
- Crimping for termination
- Wire size 2.5/4/6mm<sup>2</sup>
- Terminal size: Ø 3mm, Ø 1mm,

#### General:

- IP67/IP6K9K (mated)
- 360° shielding
- Coding: 1/2/3

#### Standard:

- LV215

#### Performance characteristics:

- Unmating force: ≤ 100N
- Temperature range: -40°C~+140°C
- Max. rated voltage: 800V DC
- Mating cycles: 50 min.
- Max. current:

2.5mm<sup>2</sup> = 16A

4.0mm<sup>2</sup> = 40A

6.0mm<sup>2</sup> = 45A

#### Construction:

- Plug housing material: PA66, UL94 V-0  
Socket housing material: Aluminium alloy
- Terminal material: Copper alloy
- Insulation material: PBT-GF, UL94 V-0

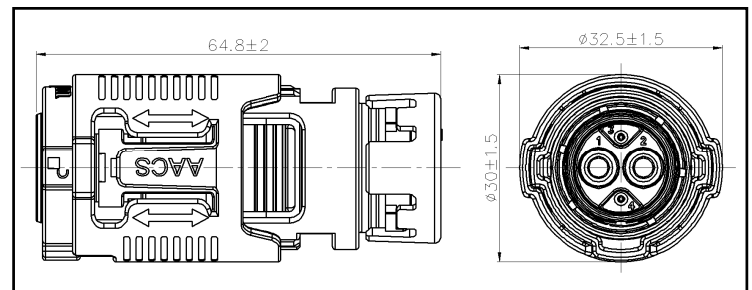
#### Connector interface:

- Coding: 1-code 1; 2-code 2; 3-code 3;



#### Dimensional characteristics:

##### Plug:



##### Socket:

