

HRS

PQ50WT Series

Power Supply Connector for Industrial Applications

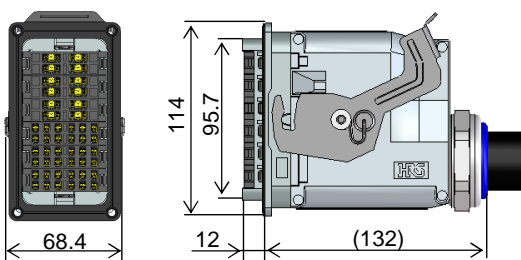


◆ Features

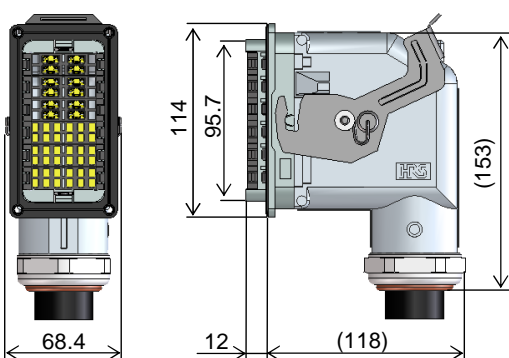
1. IP67 sealing level in mated condition
2. 600 V capability supporting NFPA79 compliant cables
3. Flexible 6-unit & terminal combinations suitable for each application
4. Branch terminal allows distribution of electrical current
5. Easy lock operation with single lock lever & light locking force
6. Applicable to AWG#10 to 28 cables
7. UL, C-UL and TÜV certified

◆ Dimensions in Mated

- Straight Plug & Receptacle



- Right Angle Plug & Receptacle



◆ Specifications


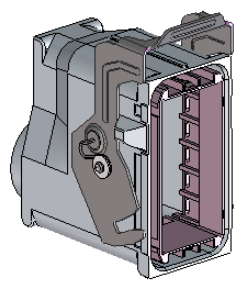
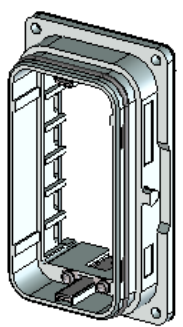
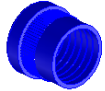
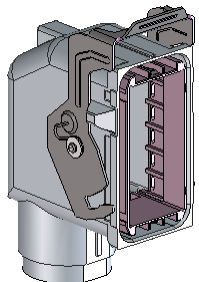
| Item | Material | Finish |
|-----------|-------------------|--|
| Shell | Aluminum die-cast | Trivalent chromium chemical conversion treatment |
| Insulator | PBT | UL94V-0, Black |
| Contact | Copper alloy | Gold plated over nickel underplating |

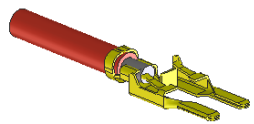
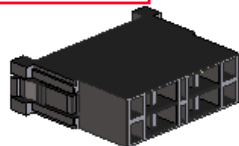
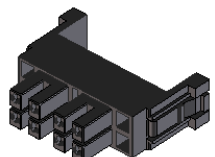
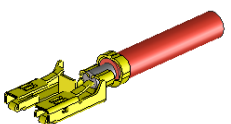
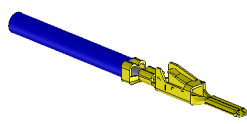
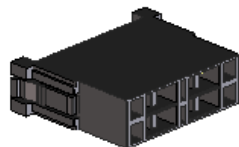
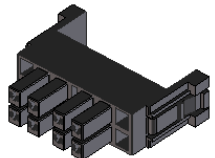
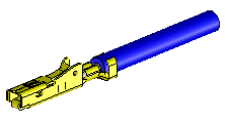
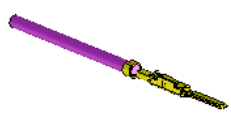
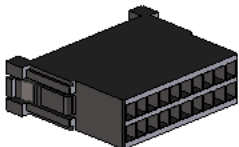
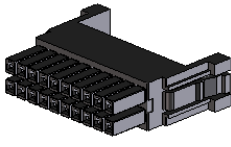

| Rated Current | Unit | 4P/4S | 30 A/pin | AWG#10 to 12 Max. Jacket Outer Dia.: ϕ 5.00 |
|-----------------------------|------|-------------------|------------|---|
| | | 8P/8S | 19 A/pin | AWG#14 to 19 AWG#20 to 22 Max. Jacket Outer Dia.: ϕ 3.30 |
| 12P/12S | | | | |
| | | 20P/20S | 12.5 A/pin | AWG#17 to 22 AWG#23 to 28 Max. Jacket Outer Dia.: ϕ 2.25 |
| Rated Voltage | | AC/DC 600V | | |
| Operating Temperature Range | | -55 °C to +105 °C | | |
| Durability | | 100 times | | |

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.

◆ Parts Combinations

ITS-P-13043Q

| Plug | | Receptacle |
|---|--|---|
|  Clamp Ring PQWT-EBC(PG36) |  Cover Case (Straight Type) PQ50WT-6U-PC1 |  Panel Shell PQ50WT-6U-FL |
|  Clamp Gasket PQWT-CM(33.0) Applicable Jacket Outer Dia. : $\phi 33 \pm 1$ mm |  Cover Case (Right Angle Type) PQ50WT-6U-PC1L | |

| Male Contact | Male Housing | Female Housing | Female Contact |
|--|--|---|--|
| <div style="border: 1px solid red; padding: 2px; display: inline-block;">Planned to be developed</div>  Male Branch Contact PQ50B-1012PCFA (AWG#10 to 12, 5.5 to 3.5sq) | <div style="border: 1px solid red; padding: 2px; display: inline-block;">Planned to be developed</div>  Male Branch 4-pin Unit PQ50WT-4PB-UNIT |  Female Branch 4-pin Unit PQ50WT-4SB-UNIT |  Female Branch Contact PQ50B-1012SCFA (AWG#10 to 12, 5.5 to 3.5sq) |
|  Male Contact PQ50A-xxPCFA (AWG#14 to 22, 2.0 to 0.3sq) |  Male 8-pin Unit PQ50WT-8P-UNIT |  Female 8-pin Unit PQ50WT-8S-UNIT |  Female Contact PQ50-xxSCFA (AWG#14 to 22, 2.0 to 0.3sq) |
|  Male Contact PQ50SA-xxPCFA (AWG#18 to 28, 0.75 to 0.08sq) | <div style="border: 1px solid red; padding: 2px; display: inline-block;">Planned to be developed</div>  Male 20-pin Unit PQ50WTS-12P-UNIT | <div style="border: 1px solid red; padding: 2px; display: inline-block;">Planned to be developed</div>  Female 20-pin Unit PQ50WTS-12S-UNIT |  Female Contact PQ50S-xxSCFA (AWG#18 to 28, 0.75 to 0.08sq) |

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