



Male plug



Female socket



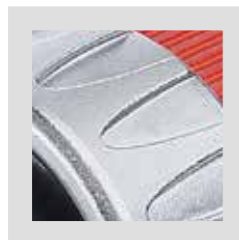
- 1:With alloy protective materials to reduce external electromagnetism and signal Radio frequency interference
- 2: With military standard screw type locking
- 3: colors are optional to be used in different environment
- 4: metal and silica gel cover are optional to be used in different environment
- 5: 2/3/4/5/7pin for power, 9/12pin for signal
- 6:Rated current: 5A/12A/20Arms
- 7:Waterproof level: IP65/IP67



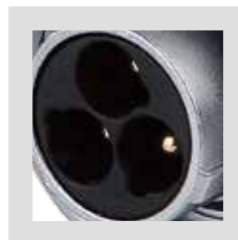
Coupler



Coupler



Sliding preventing design



















core protecting design

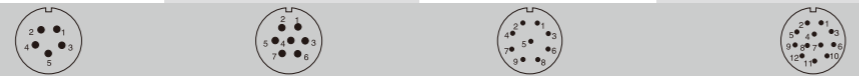


colors optional

| Pin Number | 2Pin | 3Pin | 4Pin | |
|--|--|---|---|--|
| PICTURE AND PART NO. | DH-20-CO2PE-01-001 male plug DH-20-J02SX-01-001 female socket (french) | DH-20-CO3PE-01-001 male plug DH-20-J03SX-01-001 female socket (french) | DH-20-CO4PE-01-001 male plug DH-20-J04SX-01-001 female socket (french) | |
| | DH-20-J02PE-01-001 female plug DH-20-C02SX-01-001 male socket (french) | DH-20-J03PE-01-001 female plug DH-20-C03SX-01-001 male socket (french) | DH-20-J04PE-01-001 female plug DH-20-C04SX-01-001 male socket (french) | |
| | Cable specification 2.5m ² ~ 4m ² / 14 ~ 12 AWG Diameter range Φ8mm ~ Φ12mm | | Contact diameter × number Φ2.7×2 Φ2.7×3 Φ2.7×4 | |
| | Rated Current (A) 20A | | | |
| | Operating voltage (AC.V.rms) 500V | | | |
| | Contact resistance <1mΩ | | | |
| Temperature rise 20A contact temperature below 30°C 25A.....40°C↓ , 30A.....50°C↓. | | | | |
| Withstanding Voltage (AC.V) 1 minute 2500V | | | | |
| Insulation resistance > 500MΩ | | | | |
| Protection level IP65/IP67 | | | | |
| Durability ≥500times | | | | |
| Working temperature -40°C ~ 80°C | | | | |
| Connecting mode 1/4 bayonet connecting type | | | | |
| Assembly wire Soldering/Crimping | | | | |
| MATERIALS | | | | |
| Housing&insulation parts | | High-performance engineering plastics | | |
| Hardware | | Zinc alloy (pearl hard chrome) | | |
| cooper pins | | Copper alloy (gold-plated 4U) | | |
| waterproof cover | | Silica gel | | |
| Flammability rating | | UL94-V0 | | |

DH-20 SERIES SPECIFICATIONS SHEET

| Pin Number | 5Pin | 7Pin | 9Pin | 12Pin |
|---|--|--|--|--|
| PICTURE AND PART NO. Male plug& Female socket Female plug& Male socket |  DH-20-C05PE-01-001 male plug |  DH-20-C07PE-01-001 male plug |  DH-20-C09PE-01-001 male plug |  DH-20-C12PE-01-001 male plug |
| |  DH-20-J05SX-01-001 female socket (french) |  DH-20-J07SX-01-001 female socket (french) |  DH-20-J09SX-01-001 female socket (french) |  DH-20-J12SX-01-001 female socket (french) |
| |  DH-20-J05PE-01-001 female plug |  DH-20-J07PE-01-001 female plug |  DH-20-J09PE-01-001 female plug |  DH-20-J12PE-01-001 female plug |
| |  DH-20-C05SX-01-001 male socket (french) |  DH-20-C07SX-01-001 male socket (french) |  DH-20-C09SX-01-001 male socket (french) |  DH-20-C12SX-01-001 male socket (french) |

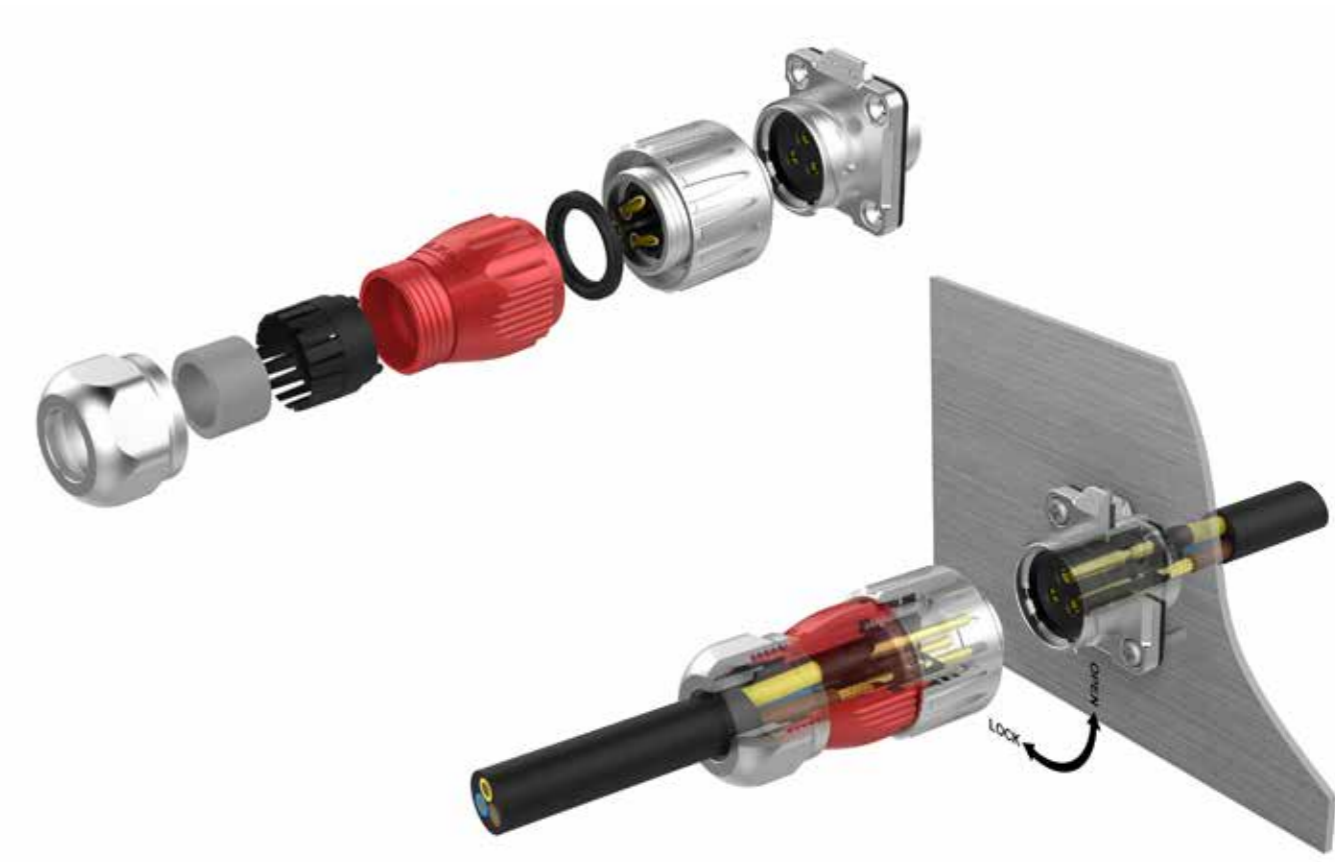


| | | | | |
|--------------------------------------|--|---|--------|---------|
| Cable specification | 1.0m ² ~ 1.5m ² /18 ~ 16 AWG | 0.15m ² ~ 0.2m ² /26-24 AWG | | |
| Diameter range | Φ7mm ~ Φ9mm | Φ5.5mm ~ Φ7mm | | |
| Contact diameter × number | Φ1.8×5 | Φ1.8×7 | Φ1.0×9 | Φ1.0×12 |
| Rated Current (A) | 12A | 5A | | |
| Operating voltage (AC.V.rms) | 500V | 400V | | |
| Contact resistance | <2.5mΩ | <5mΩ | | |
| Temperature rise | 12A 30°C 15A.....40°C↓ , 20A.....50°C↓. | / | | |
| Withstanding Voltage (AC.V) 1 minute | 2500V | | | |
| Insulation resistance | > 500MΩ | | | |
| Protection level | IP65/IP67 | | | |
| Durability | ≥500times | | | |
| Working temperature | -40°C ~ 80°C | | | |
| Connecting mode | 1/4 bayonet connecting type | | | |
| Assembly wire | Soldering/Crimping | | | |

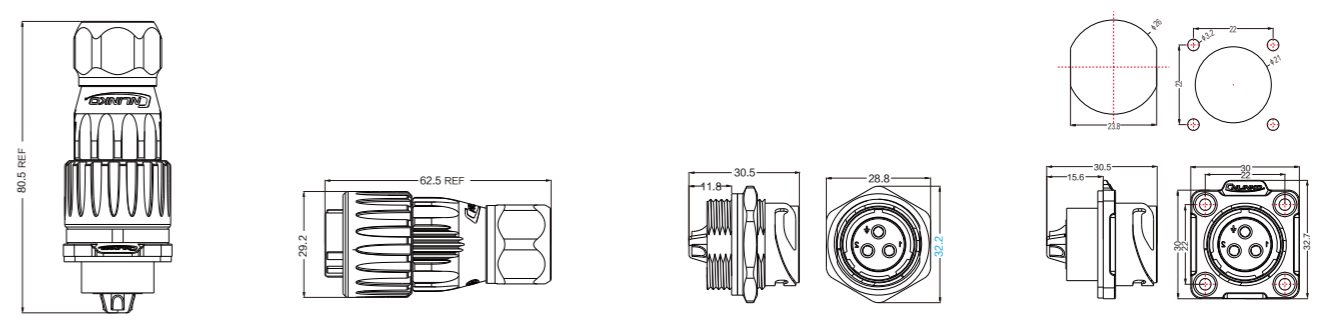
MATERIALS

| | |
|--------------------------|---------------------------------------|
| Housing&insulation parts | High-performance engineering plastics |
| Hardware | Zinc alloy (pearl hard chrome) |
| Cooper pins | Copper alloy (gold-plated 4U) |
| Waterproof cover | Silica gel |
| Flammability rating | UL94-V0 |

CONNECTION SCHEMES



DIMENSION FIGURE



Dimensions figure

PE clamping cable plug (dimensions figure)

SX socket (dimensions figure)

Installation hole figure