

MATERIALS:

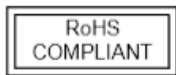
Housing: Nylon 66, UL-94V-0 rated
 Insert: PPS, UL-94V-0 rated
 Contacts: Brass, Gold plated

MECHANICAL SPECIFICATIONS:

Coupling type: Screw type
 Contact termination: Solder
 Cable O.D. range: 1 = 4.5 ~ 7mm
 2 = 7 ~ 12mm
 Mating cycles: >500

ENVIRONMENTAL SPECIFICATIONS:

IP rating: IP68
 Temperature range: -25°C ~ +85°C



ORDERING CODE:
 PD-SP2110-SXX1X

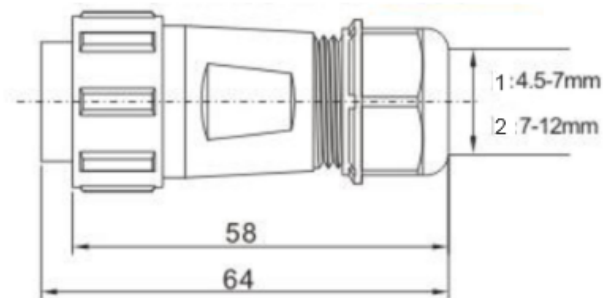
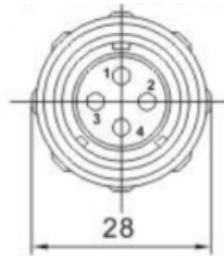
Cap
 C = with cap
 N = without cap

Cable O.D.
 1 = 4.5mm ~ 7mm
 2 = 7mm ~ 12mm

Number of contacts (from chart)



| Number of contact | 2 | 3 | 4 | 5 | 5B | 5C | 7 | 9 | 12 |
|--------------------------------|----------|----------|----------|----------|-----------------------|--------|--------|-----------|-----------|
| Male contact face view | | | | | | | | | |
| Rated current (A) | 30A | 30A | 30A | 30A | 5A, 30A | 15A | 15A | 5A | 5A |
| Contact diameter | ∅ 3×2 | ∅ 3×3 | ∅ 3×4 | ∅ 3×5 | ∅ 1×3 ∅ 3×2 | ∅ 2×5 | ∅ 2×7 | ∅ 1×9 | ∅ 1×12 |
| Termination | solder | solder | solder | solder | solder | solder | solder | solder | solder |
| Rated voltage(AC.V) | 500V | 500V | 500V | 500V | 500V | 500V | 500V | 500V | 400V |
| Test voltage(AC.V) 1 min | 1500V | 1500V | 1500V | 1500V | 1500V | 1500V | 1500V | 1500V | 1200V |
| Contact resistance mΩ | 1 | 1 | 1 | 1 | 5, 1 | 2.5 | 2.5 | 5 | 5 |
| Wire size mm ² /AWG | ≤4.17/11 | ≤4.17/11 | ≤4.17/11 | ≤4.17/11 | ≤0.785/18 ≤4.17/11 | ≤2/14 | ≤2/14 | ≤0.785/18 | ≤0.785/18 |



| | |
|---|---------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | |
| X | ± 1 |
| X.X | ± 0.4 |
| X.XX | ± 0.13 |
| DRAWN BY: PB | DATE: 3/21/16 |
| CHECK BY: | DATE: |
| APPR BY: | DATE: |

Power Dynamics, Inc.
 Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

PART: WATERPROOF FEMALE CABLE CONNECTOR
 IP68 RATED; SIZE 21; SOLDER CONTACTS; SCREW TYPE

PD-SP2110-SXX1X

SIZE: A ALL DIMENSIONS FOR REFERENCE ONLY
 SCALE: NTS DIMENSIONS ARE IN MILLIMETERS

SHEET 1 of 1
 REV:

| | | | | |
|-----|------|--------|-----|------|
| REV | DATE | CHANGE | CHK | APPR |
| | | | | |