

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

RoHS
COMPLIANT

ORDERING CODE:

PD-SP2110-PXX1X

Cap

C = with cap

N = without cap

Cable O.D.

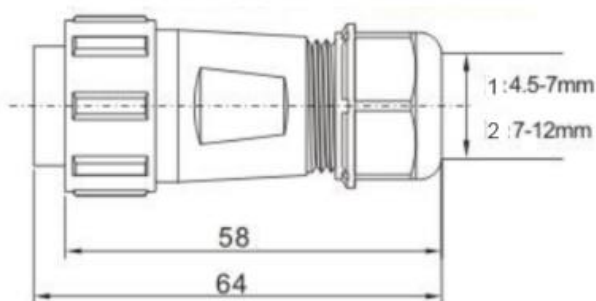
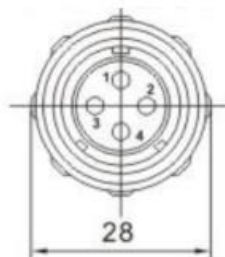
1 = 4.5mm ~ 7mm

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	Ø 3×2	Ø 3×3	Ø 3×4	Ø 3×5	Ø 1×3 Ø 3×2	Ø 2×5	Ø 2×7	Ø 1×9	Ø 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 mm² /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

Power Dynamics, Inc.

Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

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

DRAWN BY PB DATE: 3/21/16
CHECK BY DATE:
APPR BY DATE:

PART #: PD-SP2110-PXX1X

SHEET
1 of 1

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

REV: