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

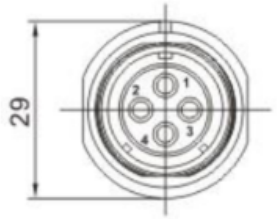
ENVIRONMENTAL SPECIFICATIONS:
IP rating: IP68
Temperature range: -25°C ~ +85°C

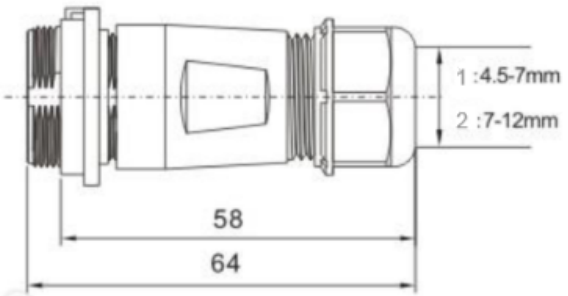
RoHS COMPLIANT

ORDERING CODE:
PD-SP2111-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	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





REVISIONS

REV	DATE	CHANGE	CHNG	CHCK	APPR

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 IN-LINE CONNECTOR
IP68 RATED; SIZE 21; SOLDER CONTACTS;SCREW TYPE

PART #: PD-SP2111-SXX1X

SHEET 1 of 1

SIZE: A

SCALE: NTS

ALL DIMENSIONS FOR REFERENCE ONLY
DIMENSIONS ARE IN MILLIMETERS

REV: