

MATERIALS:

Housing: Nylon 66, UL-94V-0 rated

Insert: PPS, UL-94V-0 rated

Crimp contacts: Brass, Gold plated

MECHANICAL SPECIFICATIONS:

Coupling type: Screw type

Contact termination: Crimp

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-PXX3X

Cap

C = with cap

N = without cap

Cable O.D.

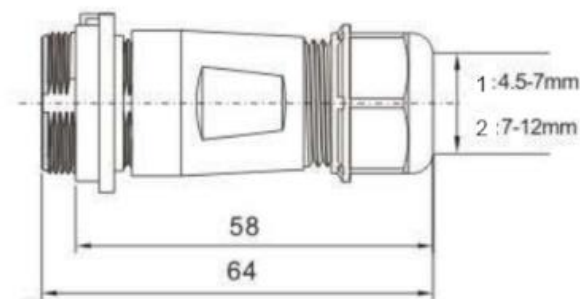
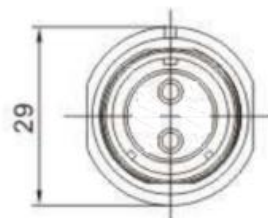
1 = 4.5mm ~ 7mm

2 = 7mm ~ 12mm

Number of contacts (from chart)

NOTE: CRIMP CONTACTS AND TOOLS MUST BE ORDERED SEPARATELY
(SEE SHEET 2)

Number of contact	2	3	5	7	8
Male contact face view					
Rated current (A)	25A	25A	10A	10A	5A
Contact diameter	Ø 2.5×2	Ø 2.5×3	Ø 1.5×5	Ø 1.5×7	Ø 1×8
Rated voltage(AC.V)	500V	500V	500V	500V	500V
Test voltage(AC.V)1 min	1500V	1500V	1500V	1500V	1500V
Contact resistance mΩ	1	1	2.5	2.5	5
Insulation resistance mΩ	2000	2000	2000	2000	2000



TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.13

DRAWN BY	PB	DATE:	4/14/16
CHECK BY		DATE:	
APPR BY		DATE:	

Power Dynamics, Inc.

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

PART: WATERPROOF MALE IN-LINE CABLE CONNECTOR
IP68 RATED; SIZE 21; CRIMP CONTACTS; SCREW TYPE

PART #:	PD-SP2111-PXX3X	SHEET	1 of 2
SIZE:	A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV: A
SCALE:	NTS		

REVISIONS			
REV	DATE	CHANGE	CHKD APPR
A	11/11/16	ADD SHEET 2	PB

25A MALE CRIMP CONTACT (FOR 2 AND 3 CONTACT MALE CONNECTOR)				
P/N	WIRE SIZE	STRIP LENGTH	CRIMP TOOL P/N	REMOVAL TOOL P/N
PD-CT25A-18-M	0.75 - 1.0mm ² [AWG 18]	8mm	PD-CT0.14/4	PD-RT-2.5
PD-CT25A-16-M	1.5mm ² [AWG 16]	8mm	PD-CT0.14/4	PD-RT-2.5
PD-CT25A-14-M	2.5mm ² [AWG 16]	8mm	PD-CT0.14/4	PD-RT-2.5
PD-CT25A-12-M	4.0mm ² [AWG 12]	8mm	PD-CT0.14/4 PD-CT4/10	PD-RT-1.5

10A MALE CRIMP CONTACT (FOR 5 AND 7 CONTACT MALE CONNECTOR)				
P/N	WIRE SIZE	STRIP LENGTH	CRIMP TOOL P/N	REMOVAL TOOL P/N
PD-CT10A-26-M	0.14 - 0.37mm ² [AWG 26 - 22]	8mm	PD-CT0.14/4	PD-RT-1.5
PD-CT10A-20-M	0.5mm ² [AWG 20]	8mm	PD-CT0.14/4	PD-RT-1.5
PD-CT10A-18-M	0.75 - 1.0mm ² [AWG 18]	8mm	PD-CT0.14/4	PD-RT-1.5
PD-CT10A-16-M	1.5mm ² [AWG 16]	8mm	PD-CT0.14/4	PD-RT-1.5
PD-CT10A-14-M	0.25mm ² [AWG 14]	8mm	PD-CT0.14/4	PD-RT-1.5

5A MALE CRIMP CONTACT (FOR 8 CONTACT MALE CONNECTOR)				
P/N	WIRE SIZE	STRIP LENGTH	CRIMP TOOL P/N	REMOVAL TOOL P/N
PD-CT5A-M	0.20 - 0.52mm ² [AWG 24 - 20]	5.5mm	PD-CTP20/28	PD-RT-1.0

CRIMP TOOL

P/N	CRIMPING WIRE RANGE
PD-CTP20/28	0.08 - 0.52mm ²
PD-CTP0.14/4	0.14 - 4.0mm ²
PD-CTP4/10	4.0 - 10.0mm ²



CRIMP REMOVAL TOOL

P/N	CRIMP CONTACT TYPE
PD-RT-1.0	5A MALE / FEMALE CRIMP CONTACT
PD-RT-1.5	10A MALE / FEMALE CRIMP CONTACT
PD-RT-2.5	25A MALE / FEMALE CRIMP CONTACT



RoHS
COMPLIANT

TOLERANCE
UNLESS OTHERWISE SPECIFIED
X ± 1
X.X ± 0.4
X.XX ± 0.13

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PART: WATERPROOF MALE IN-LINE CABLE CONNECTOR
IP68 RATED; SIZE 21; CRIMP CONTACTS; SCREW TYPE

DRAWN BY	PB	DATE: 11/11/16
CHECK BY		DATE:
APPR BY		DATE:

PART #: PD-SP2111-PXX3X		SHEET 2 of 2
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	
SCALE: NTS		REV: A

REVISIONS
SEE SHEET 1 FOR REVISION