



ECN NO.	REV	DATE	DESCRIPTION	MDF'D	APP'D
	A0	2022.9.8	Initial version	FangP	SYK

Technical requirements:

1. Material:
Contact: a. Power terminal: T2 red copper/silver plated;
Shell: PA66+GF, flame retardant grade UL94-V0;
Waterproof parts: NE-1340 silicone rubber;
2. Rated voltage: 1000V DC;
3. Rated current: 120A max
4. Withstand voltage: 3000V AC
5. Insulation resistance:>2000m Ω (normal)
6. Working temperature: - 40 ℃~+125 ℃;
7. Mechanical life:>500 times
8. Insertion force:<70N
9. Waterproof grade: IP67/IPX9 (matching status)
10. Shielding function: 360 ° shielding
11. With high voltage interlock or not: Yes
12. The product meets the ROHS requirements for environmental protection.

14	X01-P01-T06SN-B16	plug backcover (16mm ²)	1 PCS
13	X01-P01-T06SN-007	6mm terminal	1 PCS
12	X01-P01-T06SN-H16	6mm female terminal (16mm ²)	1 PCS
11	X01-P01-T06SN-G16	6mm afterbody cover (16mm ²)	1 PCS
10	X01-P01-T06SN-015	6mm Shield ring I (16mm ²)	1 PCS
9	X01-P01-T06SN-012	6mm Shield ring II (16mm ²)	1 PCS
8	X01-P01-T06SN-006	clip ring 176	1 PCS
7	X01-P01-T06SN-004	6mm Inner protective sleeve	1 PCS
6	X01-P01-T06SN-003	6mm plug protective sleeve	1 PCS
5	X01-P01-T10SN-H09	Interlock contact	1 PCS
4	See PN BOM	6mm plug body	1 PCS
3	X01-P01-T06SN-008	clip ring 270	1 PCS
2	X01-P01-T06SN-005	6mm plug spring	1 PCS
1	See list2	6mm Outner protective sleeve	1 PCS
No.	PN	Part Name	Num

PN BOM									
5	X01-P01-T06S1-Z0A	Z	1	X01-P01-T06SH-Z02	Blue	4	X01-P01-T06SZ-H01	90	180
4	X01-P01-T06S1-Y0A	Y	1	X01-P01-T06SH-Y02	Green	4	X01-P01-T06SY-H01	100	270
3	X01-P01-T06S1-X0A	X	1	X01-P01-T06SH-X02	Red	4	X01-P01-T06SX-H01	90	270
2	X01-P01-T06S1-W0A	W	1	X01-P01-T06SH-W02	Yellow	4	X01-P01-T06SW-H01	90	205
1	X01-P01-T06S1-N0A	N	1	X01-P01-T06SH-N02	Black	4	X01-P01-T06SN-H01	100	205
No.	PN	Key	Part no	PN	Color	Part no	PN	angle A°	angle B°

Packaging and assembly:
1-8 parts are assembled together.
12-13 parts are assembled together.
11 Parts are sealing rings
9,10,14 separately packed
There are 6 components in total.

Coding rules for laser lettering
X01-P01-T06S1-N0A 22 K 17
Part No.
year: 2022
month: A-1 , K-11M
Push in this way K is November
day:date of manufacture 17

series X01-P 01-T06S 1 - N 0 A
P: plug
01: pin
A: 16mm²
0: straight line
N: Key No N/W/X/Y/Z
1: shield
06: 6mm terminal

General Tolerance		Angle Tolerance		POWER DYNAMICS INC.			
X ±0.5 .X ±0.2 .XX ±0.1		±1°		145 Algonquin Parkway, Whippany, NJ 07981			
MATL: SEE-NOTES		Unless otherwise specified,dimensions are in metric and tolerances are		Phone: 1-973-560-0019	e-mail: sales@powerdynamics.com	www.powerdynamics.com	
CUSTOMER-DRAWING		APPROVAL		DESIGNER	FangP	TITLE: XX111 High Voltage Metal Plug	
				CHECKED	FangP	PARTS NO: X01-P01-T06SX-XXX	
				APPROVAL	SYK		(UNIT): mm (SCALE):1:1 (SHT):A4