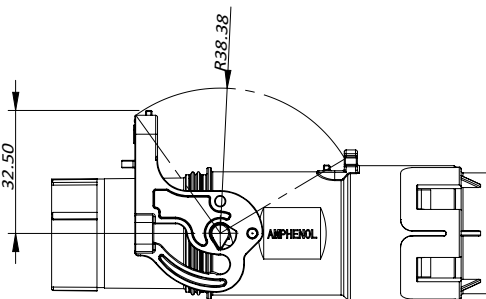
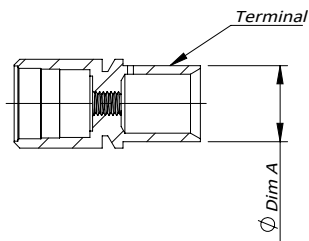
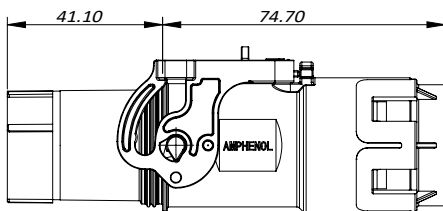
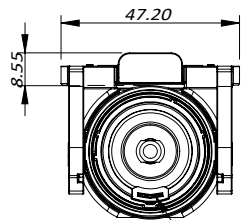
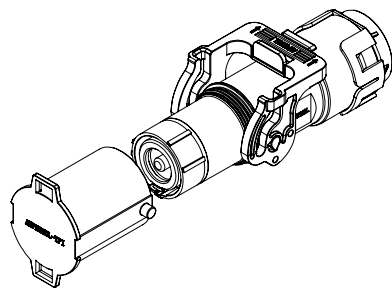


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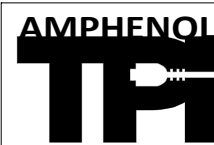
# CUSTOMER DRAWING



## Standard Part List:

Model No.	H+S Part No.	Dia. Primary Insulation(mm)	Dia. of Screen max.(mm)	Overall-Dia. Nominal(mm)	Outside-Dia. of terminal(mm): "A"	Inside-Dia. of terminal(mm): "B"
PL18(X)-50X-70-2-5	84100298	13.7±0.3	14.6	17.0±0.3	16.7±0.3	12.2±0.3
PL18(X)-50X-95-2-5	84100299	16.2±0.3	17.3	19.9±0.4	17.9±0.3	13.9±0.3
PL18(X)-50X-120-2-5	84103410	18.0±0.3	19.1	22.6±0.4	20.1±0.3	15.6±0.3

Key Characteristics  Critical 关键特性  
 Amphenol for Latest Definition  Significant 重要性



## Amphenol Technical Products International Asia.

第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: <b>PwrLok 14mm G2 straight plug</b>
	1 OF 2	A4	F		
DWG NO: <b>PL18X-50X-XX-2-5</b>					CUST PART #
CUST REV.					

签名 SIGNATURE: July.su  
 日期 DATE: 03/01/2023  
 制图 DRAWN: July.su  
 审核 CHECKED:  
 批准 APPROVAL:

UNLESS OTHERWISE SPECIFIED  
 1) All dimensions are in metric(mm).  
 2) Tolerances are as follows:  
 1.PL DEC ± 1.00  
 2.PL DEC ± 0.50  
 3.PL DEC ± 0.20  
 Angles ±1°

## 订购信息 Ordering Information

PL18 X - 50 1 - 95 - 2 - 5

<b>Key and Color</b> "X", Orange "Y", Black "U", Yellow "V", Green "W", Red "T", Blue	<b>HVIL</b> "0", NO HVIL "1", With HVIL	<b>Cable size:</b> "70"=70mm² "95"=95mm² "120"=120mm²	<b>Cable Type:</b> "-5", Huber+Suhner
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### 规格参数(Spec.):

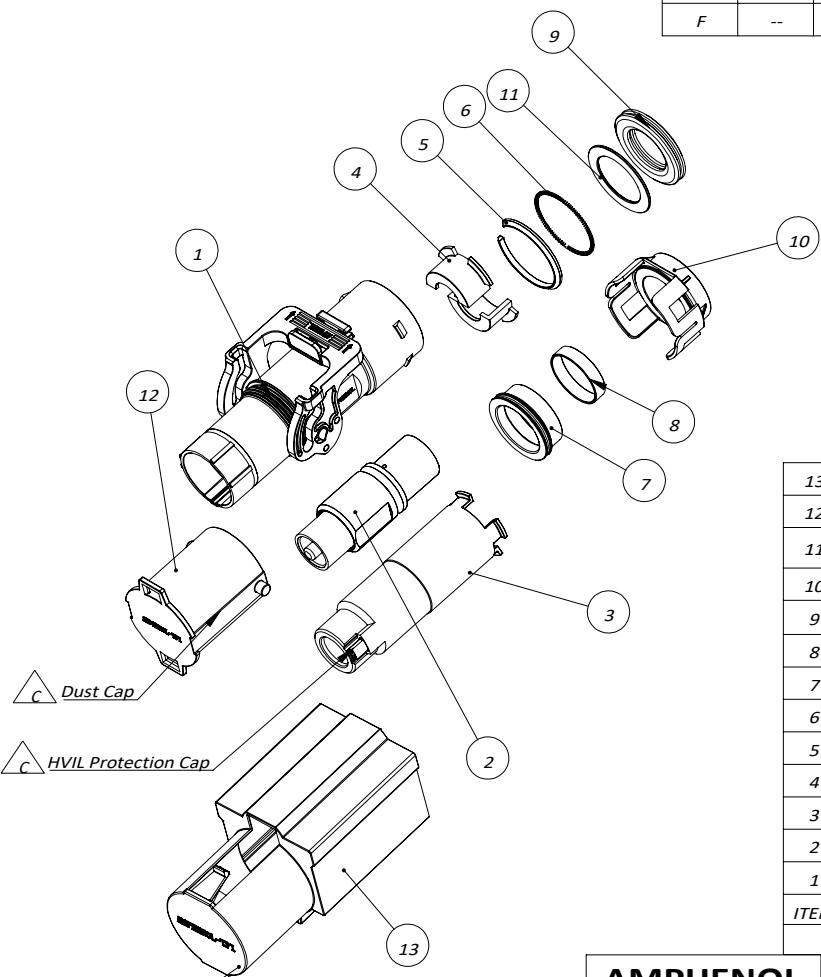
- 工作温度 Operating temperature: -40°C ~ +125°C.  E
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:  
Power: 70mm², 250A; 95mm², 300A; 120mm², 400A; HVIL: 5A.
- 额定电压 Operating voltage:  
Power: 1500 VDC; Signal: 60 VDC.  E
- 耐压 Dielectric withstanding voltage:  
A. 与插座对插后, Pin与铁壳之间  
When mated, between pin and metal shell: 8000 VDC.  F  
B. 与插座对插后, Pin与HVIL之间  
When mated, between pin and HVIL: 8000 VDC.  F  
C. 与插座对插后, HVIL与铁壳之间  
When mated, between HVIL and metal shell: 500 VDC.  
D. 与插座对插前, 两个HVIL端子之间耐压  
Before mating, between two HVIL terminals: 500 VDC.
- 防护等级 Protection class: Mated-IP6k9k & IP67, unmated-IP2X.
- 电磁屏蔽 360° full Shielding.
- 机械寿命 Mating cycle: 100 Min.
- 带CPA的摇杆系统 Latch system with CPA.
- 绝缘材料满足UL94 V-0 Inner insulation material satisfy UL94V-0.
- 镀锌/锌镍合金, 符合RoHS, 满足500H中性盐雾实验  
Gray Zinc/Nickel(ZnNi)Plating. RoHS compliant, Rated at 500hours salt spray.
- 对配插座型号: Model of mating receptacle: PL00(X)-50(X)-10(XX)-2.
- 产品满足RoHS和Reach要求. RoHS and Reach compliant.  V
- 绝缘体为140°RTI材料. The insulators are 140° RTI material.  E

REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	Jack	James	03/31/2020
B	--	增加表格信息	Star	James	10/29/2020
C	--	Add Dust Cap And Protection Cap	Star	James	12/30/2020
D	--	Change the temperature of technical points	Star	James	12/03/2021
E	--	Change operating temperature, voltage	JS	JL	08/11/2022
F	--	Change dielectric withstanding voltage	JS	JL	03/01/2023

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1	2	3	4	5	6	7	8
型号 Model	Kit Package P/N	Bulk Package P/N					
PL18X-501-95-2-5	AC-HA011921	AC-HA011921-2					
PL18Y-501-95-2-5	AC-HA011922	AC-HA011922-2					
PL18U-501-95-2-5	AC-HA011923	AC-HA011923-2					
PL18V-501-95-2-5	AC-HA011924	AC-HA011924-2					
PL18W-501-95-2-5	AC-HA011925	AC-HA011925-2					
PL18T-501-95-2-5	AC-HA011926	AC-HA011926-2					
PL18X-500-95-2-5	AC-HA011927	AC-HA011927-2					
PL18Y-500-95-2-5	AC-HA011928	AC-HA011928-2					
PL18U-500-95-2-5	AC-HA011929	AC-HA011929-2					
PL18V-500-95-2-5	AC-HA011930	AC-HA011930-2					
PL18W-500-95-2-5	AC-HA011931	AC-HA011931-2					
PL18T-500-95-2-5	AC-HA011932	AC-HA011932-2					
PL18X-501-120-2-5	AC-HA011933	AC-HA011933-2					
PL18Y-501-120-2-5	AC-HA011934	AC-HA011934-2					
PL18U-501-120-2-5	AC-HA011935	AC-HA011935-2					
PL18V-501-120-2-5	AC-HA011936	AC-HA011936-2					
PL18W-501-120-2-5	AC-HA011937	AC-HA011937-2					
PL18T-501-120-2-5	AC-HA011938	AC-HA011938-2					
PL18X-500-120-2-5	AC-HA011939	AC-HA011939-2					
PL18Y-500-120-2-5	AC-HA011940	AC-HA011940-2					
PL18U-500-120-2-5	AC-HA011941	AC-HA011941-2					
PL18V-500-120-2-5	AC-HA011942	AC-HA011942-2					
PL18W-500-120-2-5	AC-HA011943	AC-HA011943-2					
PL18T-500-120-2-5	AC-HA011944	AC-HA011944-2					
PL18X-500-70-2-5	AC-HA012918	AC-HA012918-2					
PL18Y-500-70-2-5	AC-HA012919	AC-HA012919-2					
PL18U-500-70-2-5	AC-HA012920	AC-HA012920-2					
PL18V-500-70-2-5	AC-HA012921	AC-HA012921-2					
PL18W-500-70-2-5	AC-HA012922	AC-HA012922-2					
PL18T-500-70-2-5	AC-HA012923	AC-HA012923-2					
PL18X-501-70-2-5	AC-HA012924	AC-HA012924-2					
PL18Y-501-70-2-5	AC-HA012925	AC-HA012925-2					
PL18U-501-70-2-5	AC-HA012926	AC-HA012926-2					
PL18V-501-70-2-5	AC-HA012927	AC-HA012927-2					
PL18W-501-70-2-5	AC-HA012928	AC-HA012928-2					
PL18T-501-70-2-5	AC-HA012929	AC-HA012929-2					

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13	PL500 G2 1 POS plug protection cap	1	Order P/N AC-CP001600
12	PL500 G2 Dust Cap for Plug	1	
11	PL500 G2 Metal Gasket	1	Different P/N are used according to different Cable sizes
10	PL500 G2 Tail Cap for straight plug	1	Different P/N are used according to different Cable sizes
9	PL500 G2 cable sealing for straight plug	1	Different P/N are used according to different Cable sizes
8	PL500 G2 Inner Copper Ring	1	
7	PL500 G2 Outer Copper Ring for Straight Plug	1	
6	PL500 G2 Coil Spring for straight Plug	1	
5	PL500 G2 Lock Housing2	1	
4	PL500 G2 Lock Housing1	2	Different P/N are used according to different Cable sizes
3	PL500 G2 Insulation Sleeve Assy	1	
2	PL500 G2 Terminal Assy	1	Different P/N are used according to different Cable sizes
1	PL500 G2 Shell Plug Assy	1	Different P/N are used according to different Cable sizes
ITEM	DESCRIPTION	QTY	REMARK

MATERIALS LIST

Note: Optional to be ordered separately

**Amphenol Technical Products International Asia.**

第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: <b>PwrLok 14mm G2 straight plug</b>
	2 OF 2	A4	F		

签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric (mm). 2) Tolerances are as follows: 1.PL DEC ± 1.00 2.PL DEC ± 0.50 3.PL DEC ± 0.20 Angles ±1°	DWG NO: <b>PL18X-50X-XX-2-5</b>	
制图 DRAWN	July.su		CUST PART #	CUST REV.
审核 CHECKED				
批准 APPROVAL				