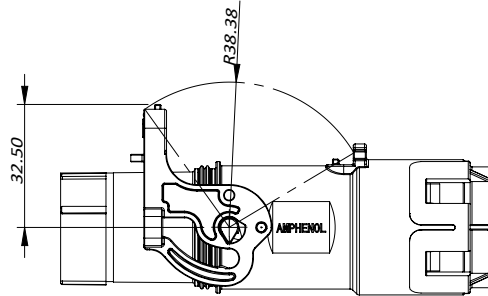
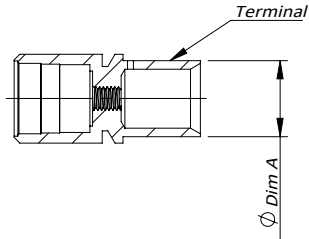
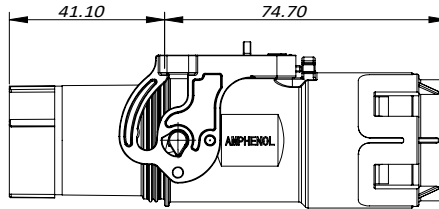
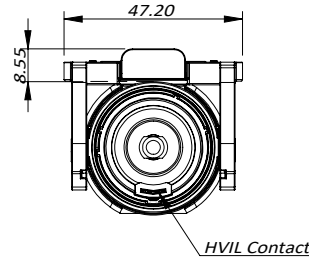
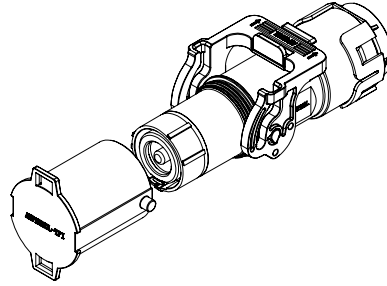


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CUSTOMER DRAWING



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
Contact 关键特性
Amphenol for Latest Significant
Definition 重要特性

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

订购信息 Ordering Information

PL18 X - 50 1 - 95 - 2 - 5

Key and Color
"X", Orange
"Y", Black
"U", Yellow
"V", Green
"W", Red
"T", Blue

HVIL
"0", NO HVIL
"1", With HVIL

Cable size:
"70"=70mm²
"95"=95mm²
"120"=120mm²

Cable Type:
"-5", Huber+Suhrner

规格参数(Spec.):

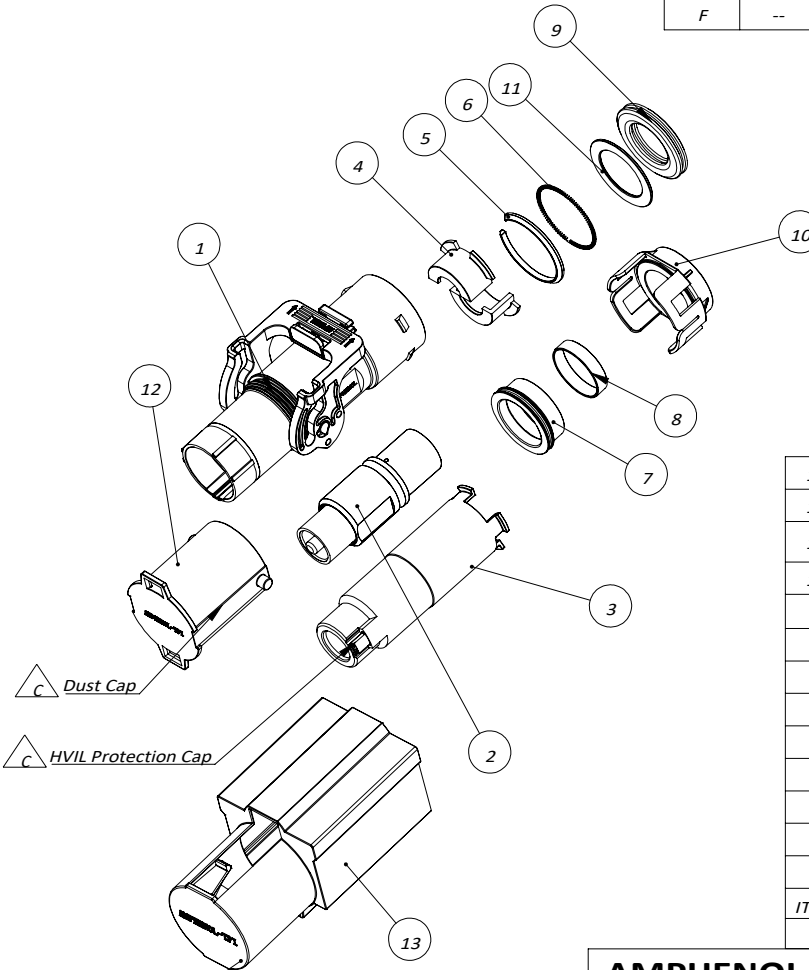
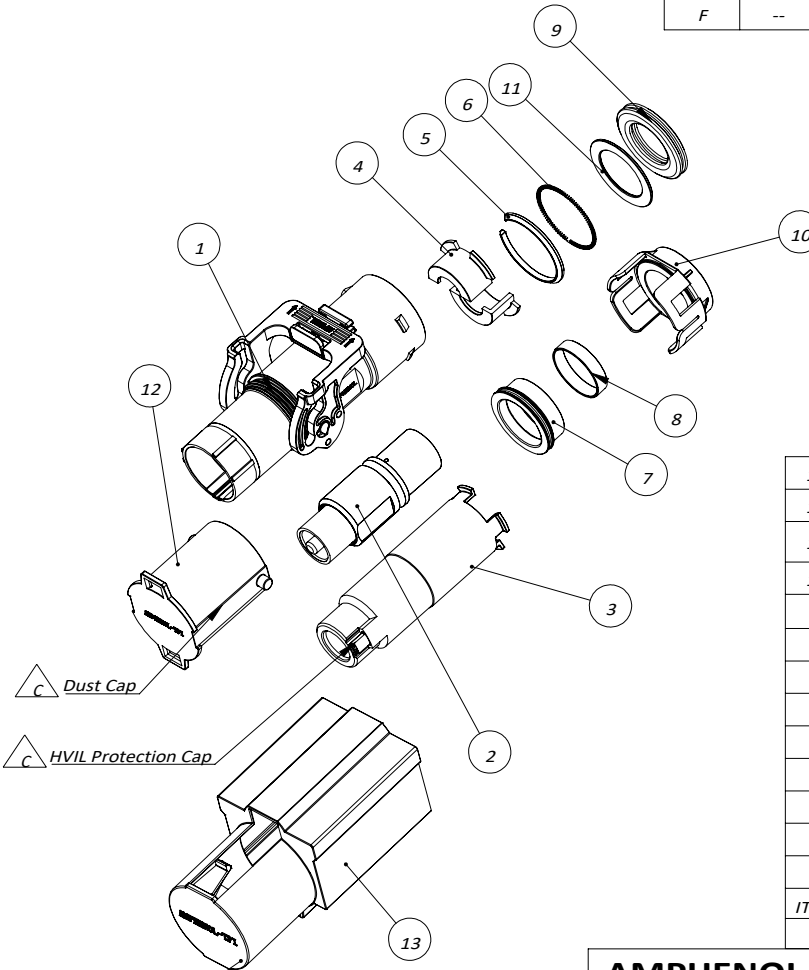
- 工作温度 Operating temperature: -40°C ~ +125°C. △ E
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:
Power: 70mm², 2,250A; 95mm², 2,300A; 120mm², 400A; HVIL: 5A.
- 额定电压 Operating voltage:
Power: 1500 VDC; Signal: 60 VDC. △ E
- 耐压 Dielectric withstanding voltage:
A. 与插座对插后, Pin与铁壳之间
When mated, 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.
- 镀灰锌/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. △
- 绝缘体为140°RTI材料. The insulators are 140° RTI material. △ E



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:
	1 OF 2	A4	F		PwrLok 14mm G2 straight plug
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:
制图 DRAWN	July.su	03/01/2023			
审核 CHECKED					
批准 APPROVAL					
					CUST PART #
					CUST REV.

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1		2		3		4		5		6		7		8	
型号 Model		Kit Package P/N		Bulk Package P/N		REVISIONS									
PL18X-501-95-2-5		AC-HA011921		AC-HA011921-2		REV#		ECN#		REVISION ACTION		REV.BY:		APPR.BY: DATE	
PL18Y-501-95-2-5		AC-HA011922		AC-HA011922-2		A		--		INITIAL RELEASE		Jack		James 03/31/2020	
PL18U-501-95-2-5		AC-HA011923		AC-HA011923-2		B		--		增加表格信息		Star		James 10/29/2020	
PL18V-501-95-2-5		AC-HA011924		AC-HA011924-2		C		--		Add Dust Cap And Protection Cap		Star		James 12/30/2020	
PL18W-501-95-2-5		AC-HA011925		AC-HA011925-2		D		--		Change the temperature of technical points		Star		James 12/03/2021	
PL18T-501-95-2-5		AC-HA011926		AC-HA011926-2		E		--		Change operating temperature, voltage		JS		JL 08/11/2022	
PL18X-500-95-2-5		AC-HA011927		AC-HA011927-2		F		--		Change dielectric withstanding voltage		JS		JL 03/01/2023	
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											