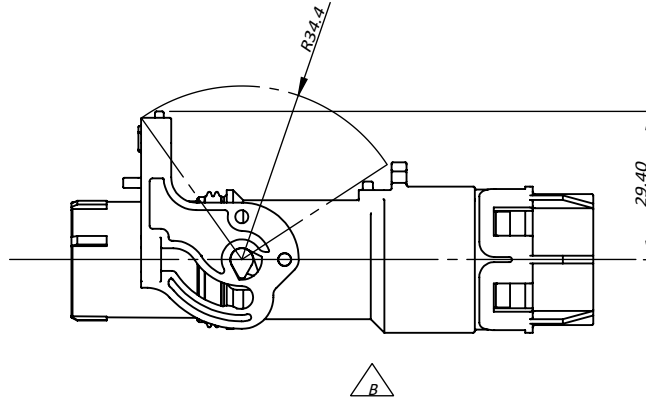
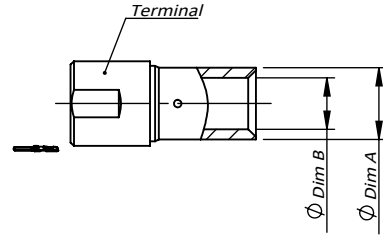
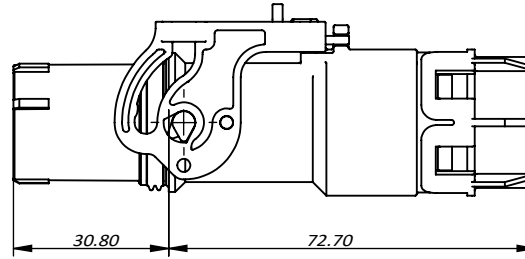
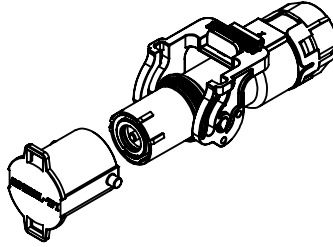
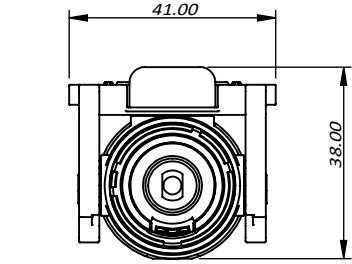


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CUSTOMER DRAWING



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)-30X-70-2-5	84100298	13.7±0.3	14.6	17.0±0.3	16.7±0.3	12.2±0.3
PL18(X)-30X-50-2-5	84096257	11.5±0.3	12.6	14.9±0.3	14.0±0.3	10.0±0.3

REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	JX	JL	03/09/2020
B	--	增加表格信息	Star	James	10/29/2020
C	--	Add Package specification P/N And Add Dust Cap Protection Cap	Star	JL	03/04/2021
D	--	Change the temperature of technical points	Star	JL	01/25/2022
E	--	Rated voltage increased from 1000V to 1500V, change operating temperature	JS	JL	08/09/2022
F	--	Change specification parameter	JY	JL	03/20/2023

订购信息 Ordering Information

PL18 X - 30 1 - 70 - 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
"50"=50mm²
"70"=70mm²

Cable Type:
"-5", Huber+Suhner

规格参数(Spec.):

1. 工作温度 Operating temperature: -40°C ~ +125°C. △ D

2. 带高压互锁 Electrical interlock (HVIL).

3. 额定电流 Current rating:

Power: 50mm²2,200A; 70mm²2,250A; HVIL: 5A.

4. 额定电压 Operating voltage:

Power: 1500 VDC; Signal: 60 VDC. △ E

5. 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. △ E

B. 与插座对插后, Pin与HVIL之间

When mated, between pin and HVIL: 8000 VDC. △ E

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.

6. 防护等级 Protection class: Mated-IP6k9k & IP67, unmated-IP2X.

7. 电磁屏蔽 360°full Shielding.

8. 机械寿命 Mating cycle: 100 Min.

9. 带CPA的摇杆系统 Latch system with CPA.

10. 绝缘材料满足UL94 V-0

The insulation material meets the requirements of UL94V-0. △ E

11. 镀灰锌/锌镍合金, 满足500H中性盐雾实验

Gray Zinc/Nickel(ZnNi)Plating. Rated at 500hours salt spray.

12. 产品满足RoHS和REACH要求. Parts must be RoHS and reach compliant. ▽

13. 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: PL300 G2 1POS Straight Plug	
		1 OF 2	A4	F		DWG NO: PL18X-30X-XX-2-5	
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°		CUST PART #	
制图 DRAWN		Jeff.Yu		03/20/2023		CUST REV.	
审核 CHECKED							
批准 APPROVAL							

Key
Characteristics △ Critical
Contact 关键特性
Amphenol for
Latest S Significant
Definition 重要特性

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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-300-50-2-5		AC-HA010794		AC-HA010794-2		REV#		ECN#		REVISION ACTION		REV.BY:		APPR.BY: DATE																																																					
PL18Y-300-50-2-5		AC-HA010795		AC-HA010795-2		A		--		INITIAL RELEASE		JX		JL 03/09/2020																																																					
PL18U-300-50-2-5		AC-HA010796		AC-HA010796-2		B		--		增加表格信息		Star		James 10/29/2020																																																					
PL18V-300-50-2-5		AC-HA010797		AC-HA010797-2		C		--		Add Package specification P/N And Add Dust Cap Protection Cap		Star		JL 03/04/2021																																																					
PL18W-300-50-2-5		AC-HA010798		AC-HA010798-2		D		--		Change the temperature of technical points		Star		JL 01/25/2022																																																					
PL18T-300-50-2-5		AC-HA010799		AC-HA010799-2		E		--		Rated voltage increased from 1000V to 1500V , change operating temperature		JS		JL 08/09/2022																																																					
PL18X-300-70-2-5		AC-HA010800		AC-HA010800-2		F		--		Change specification parameter		JY		JL 03/20/2023																																																					
PL18Y-300-70-2-5		AC-HA010801		AC-HA010801-2																																																															
PL18U-300-70-2-5		AC-HA010802		AC-HA010802-2																																																															
PL18V-300-70-2-5		AC-HA010803		AC-HA010803-2																																																															
PL18W-300-70-2-5		AC-HA010804		AC-HA010804-2																																																															
PL18T-300-70-2-5		AC-HA010805		AC-HA010805-2																																																															
PL18X-301-50-2-5		AC-HA010818		AC-HA010818-2																																																															
PL18Y-301-50-2-5		AC-HA010819		AC-HA010819-2																																																															
PL18U-301-50-2-5		AC-HA010820		AC-HA010820-2																																																															
PL18V-301-50-2-5		AC-HA010821		AC-HA010821-2																																																															
PL18W-301-50-2-5		AC-HA010822		AC-HA010822-2																																																															
PL18T-301-50-2-5		AC-HA010823		AC-HA010823-2																																																															
PL18X-301-70-2-5		AC-HA010824		AC-HA010824-2																																																															
PL18Y-301-70-2-5		AC-HA010825		AC-HA010825-2																																																															
PL18U-301-70-2-5		AC-HA010826		AC-HA010826-2																																																															
PL18V-301-70-2-5		AC-HA010827		AC-HA010827-2																																																															
PL18W-301-70-2-5		AC-HA010828		AC-HA010828-2																																																															
PL18T-301-70-2-5		AC-HA010829		AC-HA010829-2																																																															
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