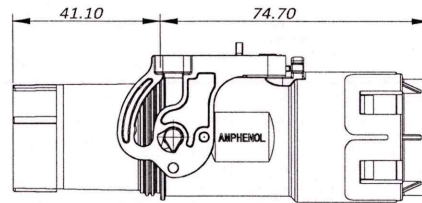
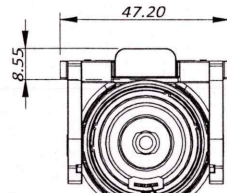
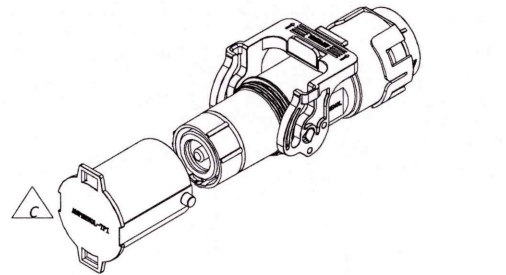
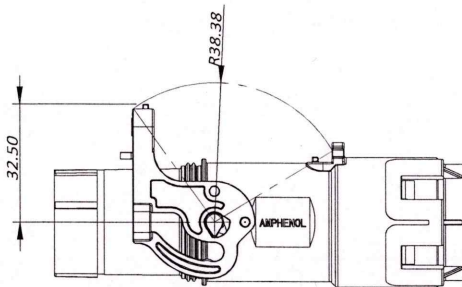
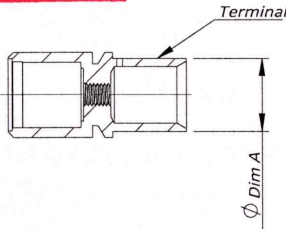


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CUSTOMER DRAWING



HVIL Contact



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 ~ +140°C.
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:
Power: 70mm² 2,250A; 95mm² 2,300A; 120mm² 2,400A; HVIL: 5A.
- 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
- 耐电压 Dielectric withstanding voltage:
A. 与插座对接后, Pin与铁壳之间
When mated, between pin and metal shell: 5000 VDC.
B. 与插座对接后, Pin与HVIL之间
When mated, between pin and HVIL: 5000 VDC.
C. 与插座对接后, HVIL与铁壳之间
When mated, between HVIL and metal shell: 500 VDC.
D. 与插座对接前, 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/镀锌合金, 符合RoHS, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi) Plating. RoHS compliant, Rated at 500 hours salt spray.
- 对插座型号: Model of mating receptacle: PL00(X)-50(X)-10(XX)-2

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



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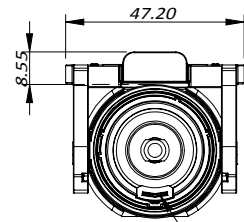
第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME:
	1 OF 2	A4	D		PwrLok 14mm G2 straight plug
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			
制图 DRAWN	Star	12/03/2021	1) All dimensions are in metric(mm).		
审核 CHECKED	Jls	12/13/2021	2) Tolerances are as follows:		
批准 APPROVAL	Jls	2021.12.17	1. PL DEC ± 1.00		
			2. PL DEC ± 0.50		
			3. PL DEC ± 0.20		
			Angles ± 1°		
DWG NO:					PL18X-50X-XX-2-5
CUST PART #					CUST REV.

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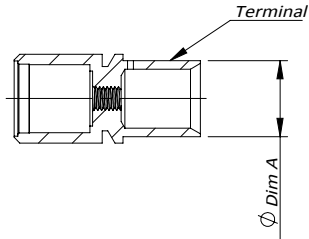
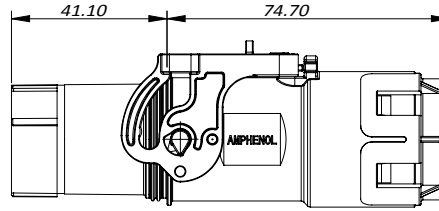
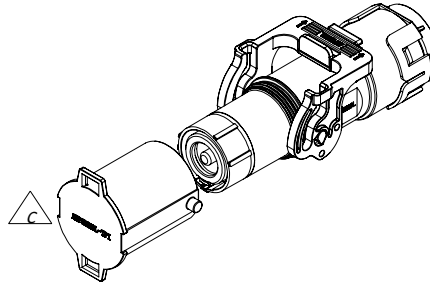
1	2	3	4	5	6	7	8																																																								
型号 Model	Kit Package P/N	Bulk Package P/N	REVISIONS																																																												
PL18X-501-95-2-5	AC-HA011921	AC-HA011921-2	REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY: DATE																																																								
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																																																													
PL18X-500-95-2-5	AC-HA011927	AC-HA011927-2																																																													
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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																																																													
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PL18X-500-120-2-5	AC-HA011939	AC-HA011939-2																																																													
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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																																																													
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			<table><tr><td>13</td><td>PL500 G2 1 POS plug protection cap</td><td>1</td><td>Order P/N AC-CP001600</td></tr><tr><td>12</td><td>PL500 G2 Dust Cap for Plug</td><td>1</td><td></td></tr><tr><td>11</td><td>PL500 G2 Metal Gasket</td><td>1</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>10</td><td>PL500 G2 Tail Cap for straight plug</td><td>1</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>9</td><td>PL500 G2 cable sealing for straight plug</td><td>1</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>8</td><td>PL500 G2 Inner Copper Ring</td><td>1</td><td></td></tr><tr><td>7</td><td>PL500 G2 Outer Copper Ring for Straight Plug</td><td>1</td><td></td></tr><tr><td>6</td><td>PL500 G2 Coil Spring for straight Plug</td><td>1</td><td></td></tr><tr><td>5</td><td>PL500 G2 Lock Housing2</td><td>1</td><td></td></tr><tr><td>4</td><td>PL500 G2 Lock Housing1</td><td>2</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>3</td><td>PL500 G2 Insulation Sleeve Assy</td><td>1</td><td></td></tr><tr><td>2</td><td>PL500 G2 Terminal Assy</td><td>1</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>1</td><td>PL500 G2 Shell Plug Assy</td><td>1</td><td>Different P/N are used according to different Cable sizes</td></tr><tr><td>ITEM</td><td>DESCRIPTION</td><td>QTY</td><td>REMARK</td></tr></table>					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
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			AMPHENOL TPI Amphenol Technical Products International Asia. <table><tr><td>第三角投影 THIRD ANGLE PROJECTION</td><td>页面 SHEET</td><td>幅面 SIZE</td><td>版次 REV.</td><td>比例 SCALE</td><td>PART NAME:</td></tr><tr><td></td><td>2 OF 2</td><td>A4</td><td>D</td><td></td><td>PwrLok 14mm G2 straight plug</td></tr><tr><td>签名 SIGNATURE</td><td>日期 DATE</td><td colspan="3">UNLESS OTHERWISE SPECIFIED</td><td>DWG NO:</td></tr><tr><td>制图 DRAWN</td><td>Star</td><td colspan="3">12/03/2021</td><td>PL18X-50X-XX-2-5</td></tr><tr><td>审核 CHECKED</td><td>JG</td><td colspan="3">12/13/2021</td><td>CUST PART #</td></tr><tr><td>批准 APPROVAL</td><td>Jan. 12. 13</td><td colspan="3">1. PL DEC ± 1.00 2. PL DEC ± 0.50 3. PL DEC ± 0.20</td><td>CUST REV.</td></tr><tr><td></td><td></td><td colspan="3">Angles ±1°</td><td></td></tr></table>					第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME:		2 OF 2	A4	D		PwrLok 14mm G2 straight plug	签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:	制图 DRAWN	Star	12/03/2021			PL18X-50X-XX-2-5	审核 CHECKED	JG	12/13/2021			CUST PART #	批准 APPROVAL	Jan. 12. 13	1. PL DEC ± 1.00 2. PL DEC ± 0.50 3. PL DEC ± 0.20			CUST REV.			Angles ±1°																	
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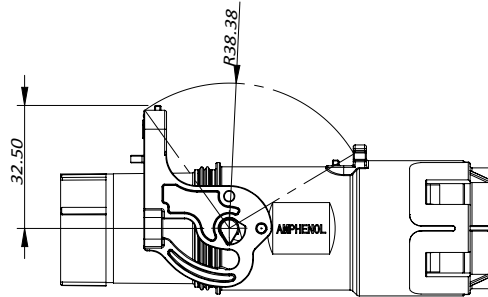
CUSTOMER DRAWING



HVIL Contact



Dim A



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



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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	D		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	Star	12/03/2021			
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											
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											

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

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

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: PwrLok 14mm G2 straight plug	
2 OF 2	A4	D			DWG NO: PL18X-50X-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			CUST PART #	
制图 DRAWN	Star	12/03/2021	Angles ±1°			CUST REV.
审核 CHECKED						
批准 APPROVAL						

Note: Optional to be ordered separately