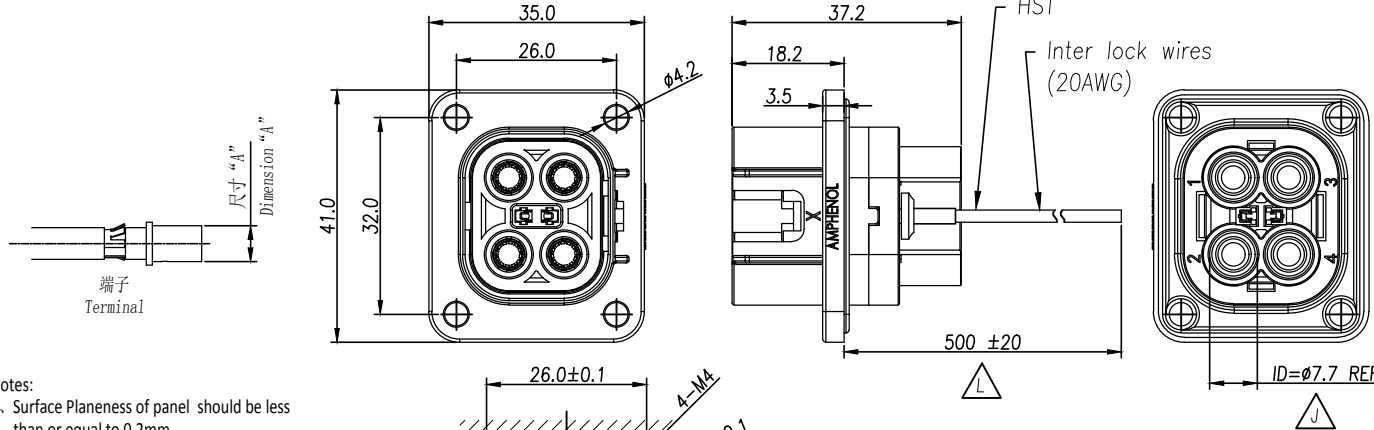
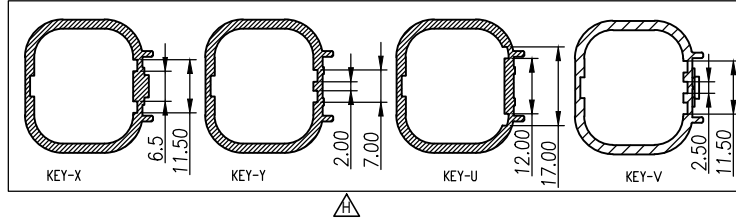


Customer Drawing



Notes:

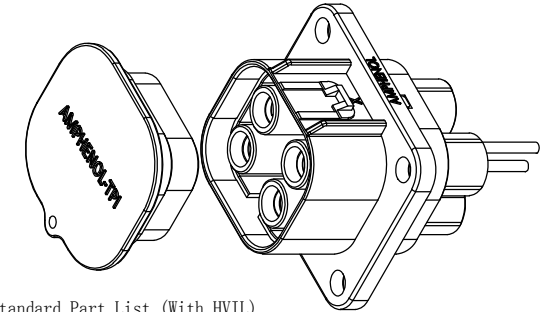
- Surface Planeness of panel should be less than or equal to 0.2mm.
- Surface Roughness of panel should be Ra 3.2 or better.
- Thickness of panel should be 5mm to 8mm.

规格参数 (Spec.):

- 工作温度 Operating temperature: -40° C ~ +125° C.
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating (connector only): 2.5mm²: 25A, 4mm²: 35A, 6mm²: 45A; HVIL: 5A (20AWG).
- 额定电压 Operating voltage: Power: 1000 VDC; Signal: 60 VDC.
- 耐电压 Dielectric withstanding voltage:
 - 与插头对接后, Pin与铁壳之间 After mating, between pin and metal shell: 5000 VDC 60S 漏电流 < 5mA.
 - 与插头对接后, Pin与HVIL之间 After mating, between pin and HVIL: 5000 VDC 60S 漏电流 < 5mA.
 - 与插头对接后, HVIL与铁壳之间 After mating, between HVIL and metal shell: 500 VDC 60S 漏电流 < 5mA.
 - 与插头对接前, 两个HVIL端子之间耐压 Before mating, between two HVIL terminals: 500 VDC 60S 漏电流 < 5mA.
- 防护等级 Protection Class: IP67 (水深1m, 浸泡0.5h) & IP2X.
- 阻燃等级 Flame Rating 绝缘件 UL94-V0 密封件 UL94-HB.
- 电磁屏蔽 Shielding.
- 机械寿命 Mating cycle: 100 Min.
- 带自动二次锁扣 Automatic secondary lock.
- 接非屏蔽线 Accepte Unshielding Wire.
- 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange: 1.6~2.4 Nm.

订购信息 Ordering Information

PL08 4 X - 4 1 - 6			
键位 Key	高压互锁 HVIL	线缆大小 Cable Size	
"X"	0, 不带互锁 No HVIL	"6" = 6mm²	J
"Y"	1, 带互锁 With HVIL	"4" = 4mm²	
"U"		"2.5" = 2.5mm²	



Standard Part List (With HVIL)

P/N	Model NO.	Dimension "A"	Cable size	Accepted cable OD
AC-HA002960	PL084X-41-2.5	ø3.70mm	2.5mm²	<ø7.5mm
AC-HA002961	PL084Y-41-2.5		J	J
AC-HA002962	PL084U-41-2.5		J	J
AC-HA010400	PL084V-41-2.5		J	J
AC-HA002963	PL084X-41-4	ø4.57mm	4mm²	<ø7.5mm
AC-HA002964	PL084Y-41-4		J	J
AC-HA002965	PL084U-41-4		J	J
AC-HA010401	PL084V-41-4		J	J
AC-HA002966	PL084X-41-6	ø5.80mm	6mm²	<ø7.5mm
AC-HA002967	PL084Y-41-6		J	J
AC-HA002968	PL084U-41-6		J	J
AC-HA010402	PL084V-41-6		J	J

Standard Part List (Without HVIL)

P/N	Model NO.	Dimension "A"	Cable size	
AC-HA002951	PL084X-40-2.5	ø3.70mm	2.5mm²	<ø7.5mm
AC-HA002952	PL084Y-40-2.5		J	J
AC-HA002953	PL084U-40-2.5		J	J
AC-HA010403	PL084V-40-2.5		J	J
AC-HA002954	PL084X-40-4	ø4.57mm	4mm²	<ø7.5mm
AC-HA002955	PL084Y-40-4		J	J
AC-HA002956	PL084U-40-4		J	J
AC-HA010404	PL084V-40-4		J	J
AC-HA002957	PL084X-40-6	ø5.80mm	6mm²	<ø7.5mm
AC-HA002958	PL084Y-40-6		J	J
AC-HA002959	PL084U-40-6		J	J
AC-HA010405	PL084V-40-6		J	J

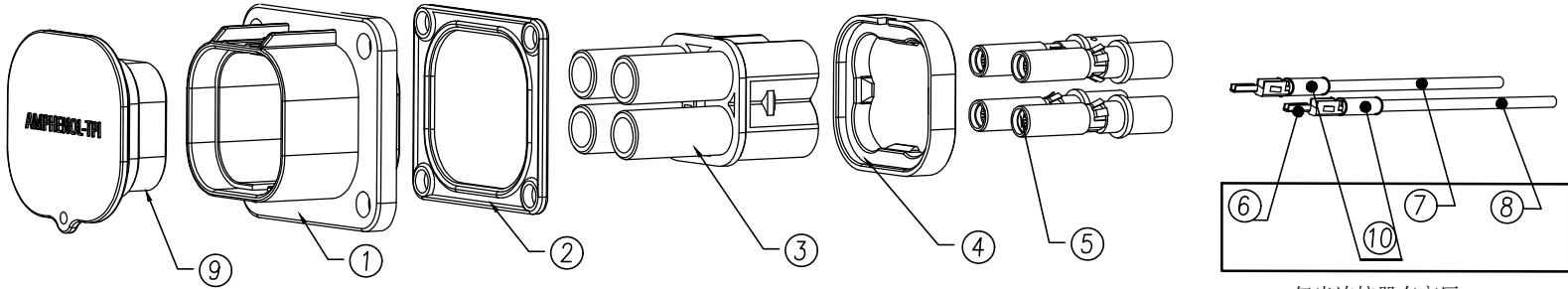


Amphenol Technical Products International Asia.

		第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: PwrLok 4.0mm 4POS Rept Conn		
			1 of 2	A3	L				
		UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 0 PL DEC ±1.00 1 PL DEC ±0.50 2 PL DEC ±0.20 Angles ±1°							
签名 SIGNATURE		日期 DATE					DWG NO:	PL084-40	
制图 DRAWN	Steven	09/28/18					CUST PART #:	N/A	
审核 CHECKED							CUST REV.	-	
批准 APPROVAL									

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REV		ZONE	ECO	DESCRIPTION	DATE	BY	APPR
K		--	--	Add specification description	08/22/18	ST	JL
L		--	--	Redefine cable tolerances	09/28/18	ST	JL



仅当连接器有高压
互锁功能时安装

10	HST H-2(Z) 2.0 BK	2		
9	PL3.6 4POS Rept Dust Cap	1	LDPE	
8	20AWG RE	A/R	ETFE	
7	20AWG BK	A/R	ETFE	
6	Mini-Fit Crimp Pin18-24AWG	2	铜合金	镀锡
5	PwrLok Soc 4mm	4	紫铜	镀锡3~5um
4	3.6mm, 4POS Cover for Rept	1	PA66	
3	3.6mm, 4POS Housing	1	PA66	
2	PwrLok Gasket 4POS 3.6mm	1	硅橡胶	
1	PwrLok Shell Rept	1	锌合金	镀镍5~8um
序号	名称	数量	材料	表面处理

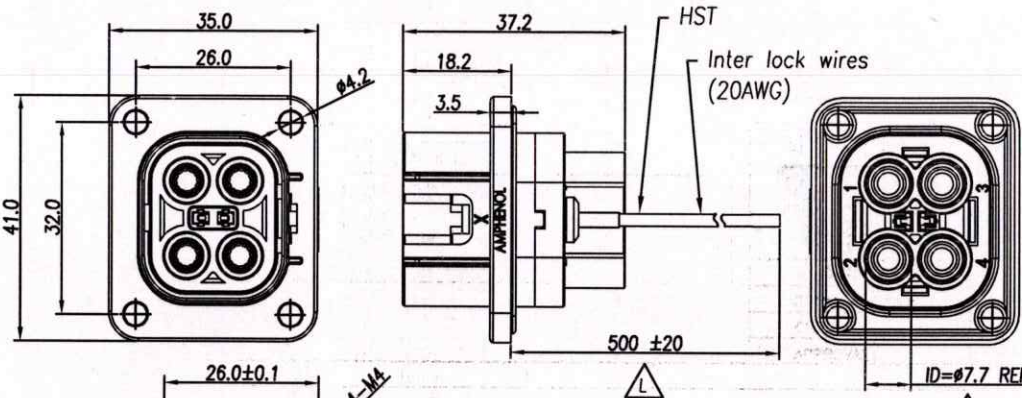
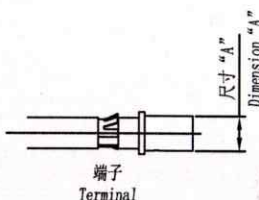
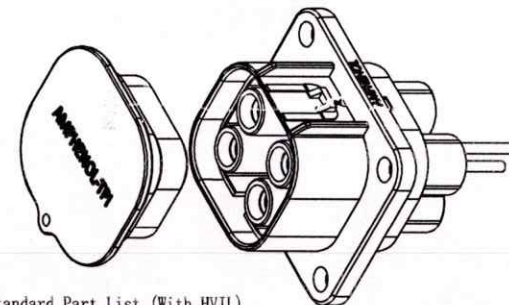
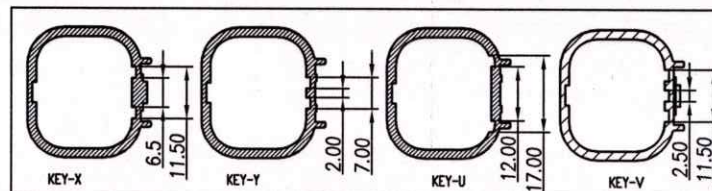
MATERIALS LIST

AMPHENOL TP		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 4.0mm 4POS Rcpt Conn	
			2 of 2	A3	L		DWG NO: PL084-40	
		UNLESS OTHERWISE SPECIFIED					CUST PART #: N/A	
签 名 SIGNATURE		日期 DATE	1) All dimensions are in metric(mm).				CUST REV.	
制 图 DRAWN Steven		09/28/18	2) Tolerances are as follows:				-	
审 核 CHECKED			0 PL DEC ±1.00					
批 准 APPROVAL			1 PL DEC ±0.50					
			2 PL DEC ±0.20					
			Angles ±1°					

Customer Drawing

Amphenol TPI
2018-09-29
REGISTERED COPY

REVISES					
REV	ZONE	ECO	DESCRIPTION	DATE	BY
A	---	---	Add Information: Accepted Unshielding Wire	03/09/18	RW
J	---	---	Redefine cable size	05/17/18	YM
K	---	---	Add specification description	08/22/18	ST
L	---	---	Redefine cable tolerances	09/28/18	JL



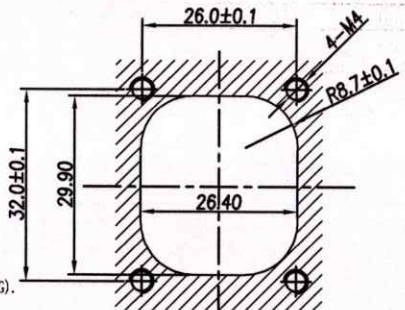
Standard Part List (With HVIL)				
P/N	Model NO.	Dimension "A"	Cable size	Accepted cable OD
AC-HA002960	PL084X-41-2.5	Ø3.70mm	2.5mm ²	Ø7.5mm
AC-HA002961	PL084Y-41-2.5			
AC-HA002962	PL084U-41-2.5			
AC-HA010400	PL084V-41-2.5			
AC-HA002963	PL084X-41-4	Ø4.57mm	4mm ²	Ø7.5mm
AC-HA002964	PL084Y-41-4			
AC-HA002965	PL084U-41-4			
AC-HA010401	PL084V-41-4			
AC-HA002966	PL084X-41-6	Ø5.80mm	6mm ²	Ø7.5mm
AC-HA002967	PL084Y-41-6			
AC-HA002968	PL084U-41-6			
AC-HA010402	PL084V-41-6			

Standard Part List (Without HVIL)				
P/N	Model NO.	Dimension "A"	Cable size	Accepted cable OD
AC-HA002951	PL084X-40-2.5	Ø3.70mm	2.5mm ²	Ø7.5mm
AC-HA002952	PL084Y-40-2.5			
AC-HA002953	PL084U-40-2.5			
AC-HA010403	PL084V-40-2.5			
AC-HA002954	PL084X-40-4	Ø4.57mm	4mm ²	Ø7.5mm
AC-HA002955	PL084Y-40-4			
AC-HA002956	PL084U-40-4			
AC-HA010404	PL084V-40-4			
AC-HA002957	PL084X-40-6	Ø5.80mm	6mm ²	Ø7.5mm
AC-HA002958	PL084Y-40-6			
AC-HA002959	PL084U-40-6			
AC-HA010405	PL084V-40-6			

- Notes:
- Surface Planeness of panel should be less than or equal to 0.2mm.
 - Surface Roughness of panel should be Ra 3.2 or better.
 - Thickness of panel should be 5mm to 8mm.

规格参数 (Spec.):

- 工作温度 Operating temperature: -40° C ~ +125° C.
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating (connector only): 2.5mm²: 25A, 4mm²: 35A, 6mm²: 45A; HVIL: 5A (20AWG).
- 额定电压 Operating voltage: Power: 1000 VDC; Signal: 60 VDC.
- 耐电压 Dielectric withstanding voltage: A. 与插头对接后, Pin与铁壳之间 After mating, between pin and metal shell: 5000 VDC 60S 漏电流 < 5mA. B. 与插头对接后, Pin与HVIL之间 After mating, between pin and HVIL: 5000 VDC 60S 漏电流 < 5mA. C. 与插头对接后, HVIL与铁壳之间 After mating, between HVIL and metal shell: 500 VDC 60S 漏电流 < 5mA. D. 与插头对接前, 两个HVIL端子之间耐压 Before mating, between two HVIL terminals: 500 VDC 60S 漏电流 < 5mA.
- 防护等级 Protection Class: IP67 (水深1m, 浸泡0.5h) & IP2X.
- 阻燃等级 Flame Rating 绝缘件 UL94-V0 密封件 UL94-HB
- 电磁屏蔽 Shielding.
- 机械寿命 Mating cycle: 100 Min.
- 带自动二次锁扣 Automatic secondary lock.
- 接非屏蔽线 Acceptable Unshielding Wire.
- 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange: 1.6~2.4 Nm.



面板安装孔尺寸
Panel Size

订购信息 Ordering Information

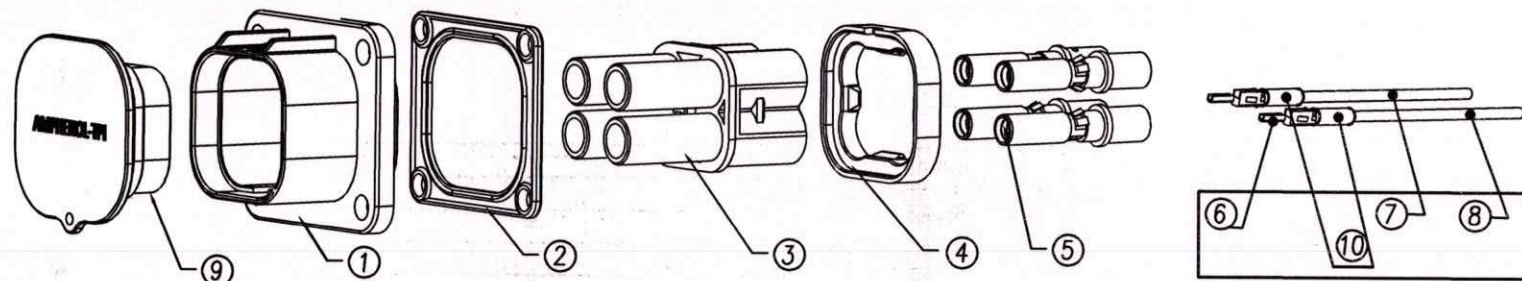
PL08 4 X - 4 1 - 6

键位 Key	高压互锁 HVIL	线缆大小 Cable Size
"X"	0, 不带互锁 No HVIL	"6" = 6mm ²
"Y"	1, 带互锁 With HVIL	"4" = 4mm ²
"U"		"2.5" = 2.5mm ²
"V"		

AMPHENOL 		Amphenol Technical Products International Asia.	
第三角投影 THIRD ANGLE PROJECTION	页面 SHEET 1 of 2	幅面 SIZE A3	版次 REV. L
签名 SIGNATURE 制图 DRAWN 审核 CHECKED 批准 APPROVAL		日期 DATE 09/28/18 2018.9.28 2018.9.28	
比例 SCALE 1:1		零件名称 Part Name PwrLok 4.0mm 4POS Rept Conn	
零件号 Part No. PL084-40		零件图 Part Rev. N/A	

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REVISIONS					
REV	ZONE	ECO	DESCRIPTION	DATE	BY APPR
K	---	---	Add specification description	08/22/18	ST JL
L	---	---	Redefine cable tolerances	09/28/18	ST JL



仅当连接器有高压
互锁功能时安装



10	HST H-2(Z) ø2.0 BK	2		
9	PL3.6 4POS Rept Dust Cap	1	LDPE	
8	20AWG RE	A/R	ETFE	
7	20AWG BK	A/R	ETFE	
6	Mini-Fit Crimp Pin 18-24AWG	2	铜合金	镀锡
5	PwrLok Soc 4mm	4	紫铜	镀锡3~5um
4	3.6mm, 4POS Cover for Rept	1	PA66	
3	3.6mm, 4POS Housing	1	PA66	
2	PwrLok Gasket 4POS 3.6mm	1	硅橡胶	
1	PwrLok Shell Rept	1	锌合金	镀镍5~8um
序号	名称	数量	材料	表面处理

MATERIALS LIST

AMPHENOL TPI		Amphenol Technical Products International Asia.			
第三角投影 THIRD ANGLE PROJECTION	页码 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	图号 PART NO.
	2 of 2	A3	L		PwrLok 4.0mm 4POS Rept Conn
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			图号 PART NO.
制图 DRAWN	日期 DATE	1) All dimensions are in metric (mm).			图号 PART NO.
审核 CHECKED	日期 DATE	2) Tolerances are as follows:			图号 PART NO.
批准 APPROVAL	日期 DATE	0 PL DEC ±1.00			图号 PART NO.
		1 PL DEC ±0.50			图号 PART NO.
		2 PL DEC ±0.30			图号 PART NO.
		Angles ±1°			图号 PART NO.