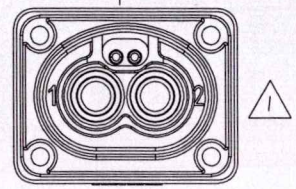
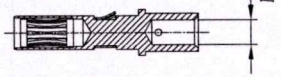
Customer Drawing

REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	--	--	Uptated Spec.	07/17/14	RW	EC
F	--	--	Add Dust Cap & Change HVIL Wire, Update Spec.	03/30/16	RW	TS
G	--	--	Add Notes and Tol.	06/27/17	RW	TS
H	--	--	Add rating current	02/07/18	YM	JG
I	--	--	Remove error message and add View	05/29/18	KW	JL
J	--	--	Updated Spec.	08/24/18	Fred	JL
K	--	--	Cancel panel requirements	10/30/19	Steven	JL

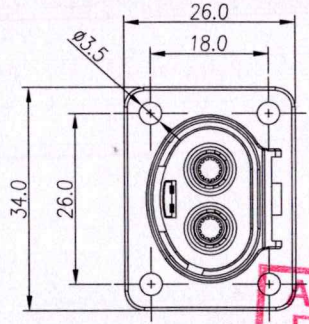


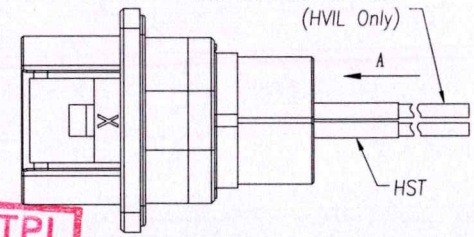
A view

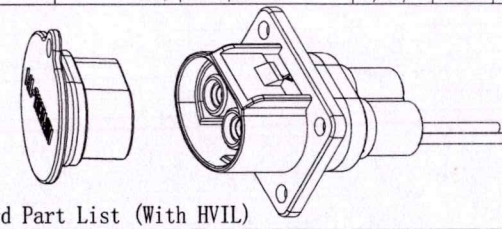


端子
Terminal

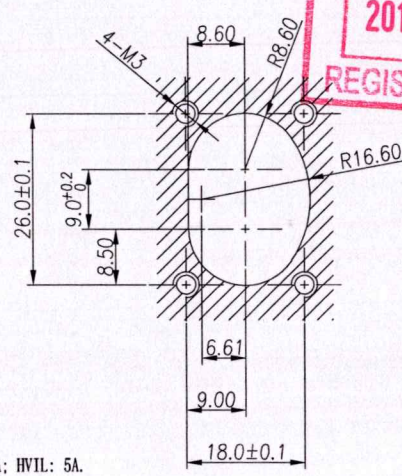
尺寸 "A"
Dimension "A"



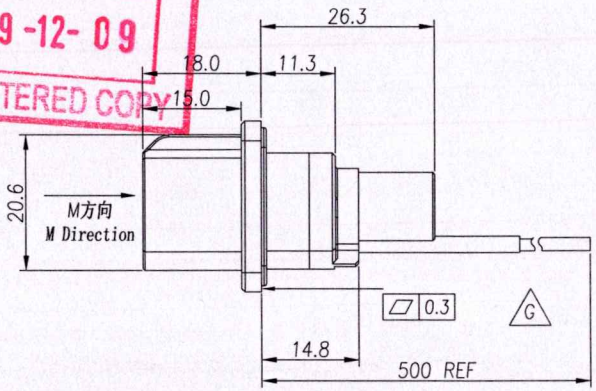


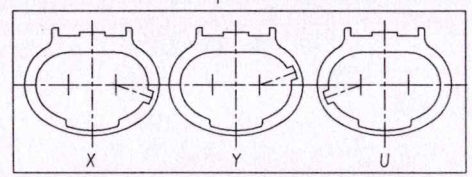


Amphenol TPI
2019-12-09
REGISTERED COPY



面板安装孔尺寸 Panel Size





M方向键位示意图
Key Abridged General View of M Direction

Notices:
1、Surface Planeness of panel should less than or equal to 0.3mm
2、Surface Roughness of panel should be Ra 3.2 or better.

规格参数(Spec.):
1. 工作温度 Operating temperature:
-40° C~+125° C.
2. 带高压互锁 Electrical interlock (HVIL).
3. 额定电流 Current rating:
2.5mm²: 25A, 4mm²: 40A, 6mm²: 45A, 10mm²: 60A; HVIL: 5A.
4. 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
5. 耐 电 压 Dielectric withstanding voltage:
A. 与插头对插后,Pin与铁壳之间
After matting, between pin and metal shell :5000 VDC.
B. 与插头对插后,Pin与HVIL之间
After matting, between pin and HVIL :5000 VDC.
C. 与插头对插后,HVIL与铁壳之间
After matting, between HVIL and metal shell :500 VDC.
D. 与插头对插前,两个HVIL端子之间耐压
Before matting, between two HVIL terminals :500 VDC.
6. 防护等级 Protection class:IP67 & IP2X.
7. 电磁屏蔽 Shielding.
8. 机械寿命 Mating cycle:100 Min.
9. 带自动二次锁扣 Automatic secondary lock.
10. 接非屏蔽线 Use Unshielding Wire.
11. 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange : 0.86±20% Nm

Standard Part List (With HVIL)

P/N	Model NO.	Dimension "A"	Accepted Wire
AC-HA000749	PL082X-61-2.5	Ø2.3mm	2.5mm² Unshielding wire
AC-HA000750	PL082Y-61-2.5		
AC-HA000751	PL082U-61-2.5		
AC-HA000752	PL082X-61-4	Ø3.0mm	4mm² Unshielding wire
AC-HA000753	PL082Y-61-4		
AC-HA000754	PL082U-61-4		
AC-HA000755	PL082X-61-6	Ø4.0mm	6mm² Unshielding wire
AC-HA000756	PL082Y-61-6		
AC-HA000757	PL082U-61-6		
AC-HA001082	PL082X-61-10	Ø4.5mm	10mm² Unshielding wire
AC-HA001083	PL082Y-61-10		
AC-HA001084	PL082U-61-10		

Standard Part List (Without HVIL)

P/N	Model NO.	Dimension "A"	Accepted Wire Size
AC-HA000758	PL082X-60-2.5	Ø2.3mm	2.5mm² Unshielding wire
AC-HA000759	PL082Y-60-2.5		
AC-HA000760	PL082U-60-2.5		
AC-HA000761	PL082X-60-4	Ø3.0mm	4mm² Unshielding wire
AC-HA000762	PL082Y-60-4		
AC-HA000763	PL082U-60-4		
AC-HA000764	PL082X-60-6	Ø4.0mm	6mm² Unshielding wire
AC-HA000765	PL082Y-60-6		
AC-HA000766	PL082U-60-6		
AC-HA001085	PL082X-60-10	Ø4.5mm	10mm² Unshielding wire
AC-HA001086	PL082Y-60-10		
AC-HA001087	PL082U-60-10		

订购信息 Ordering Information

PL08 2 X - 6 1 - 10

键位 Key	高压互锁 HVIL	线缆大小 Cable Size
"X"	0 ,不带互锁 No HVIL	"10"=10mm²
"Y"	1 ,带互锁 With HVIL	"6"=6mm²
"U"		"4"=4mm²
		"2.5"=2.5mm²

THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.

AMPHENOL TPI

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
	1 OF 1	A3	K	

PART NAME: PwrLok 4mm 2POS Rcpt Conn

DWG NO: PL082-60

CUST PART #: N/A

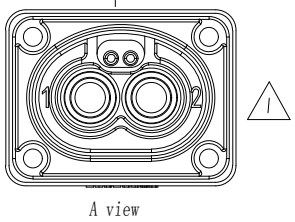
CUST REV.: -

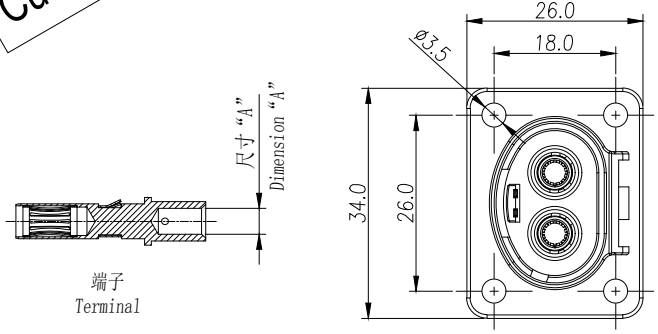
签 名 SIGNATURE		日期 DATE
制 图 DRAWN	Steven	10/30/19
审 核 CHECKED		2018.11.29
批 准 APPROVAL		2019.12.2

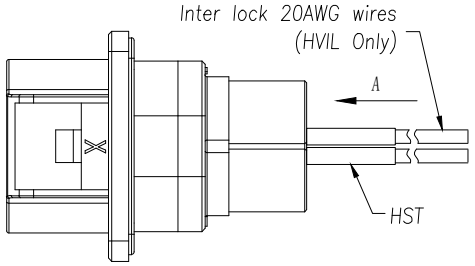
UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
0 PL DEC ±1.00
1 PL DEC ±0.50
2 PL DEC ±0.20
Angles ±1°

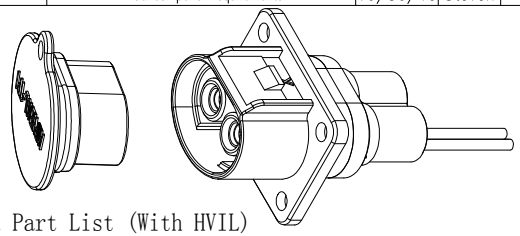
Customer Drawing

REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	--	--	Uptated Spec.	07/17/14	RW	EC
F	--	--	Add Dust Cap & Change HVIL Wire, Update Spec.	03/30/16	RW	TS
G	--	--	Add Notes and Tol.	06/27/17	RW	TS
H	--	--	Add rating current	02/07/18	YM	JG
I	--	--	Remove error message and add View	05/29/18	KW	JL
J	--	--	Updated Spec.	08/24/18	Fred	JL
K	--	--	Cancel panel requirements	10/30/19	Steven	JL





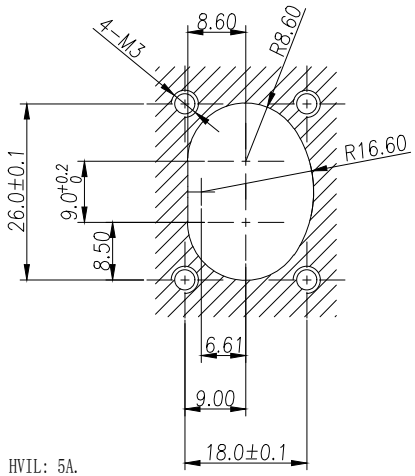




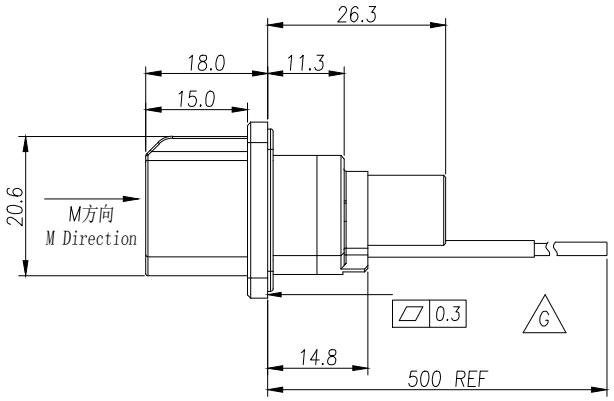
Notices:

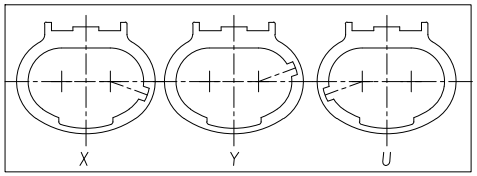
1、Surface Planeness of panel should less than or equal to 0.3mm

2、Surface Roughness of panel should be Ra 3.2 or better.



面板安装孔尺寸 Panel Size





M方向键位示意图

Key Abridged General View of M Direction

规格参数(Spec.):

1. 工作温度 Operating temperature:
   -40° C~+125° C.
2. 带高压互锁 Electrical interlock (HVIL).
3. 额定电流 Current rating:
   2.5mm²: 25A, 4mm²: 40A, 6mm²: 45A, 10mm²: 60A; HVIL: 5A.
4. 额定电压 Operating voltage:
   Power: 1000 VDC; Signal: 60 VDC.
5. 耐 电 压 Dielectric withstanding voltage:
   A. 与插头对插后,Pin与铁壳之间
      After matting, between pin and metal shell :5000 VDC.
   B. 与插头对插后,Pin与HVIL之间
      After matting, between pin and HVIL :5000 VDC.
   C. 与插头对插后,HVIL与铁壳之间
      After matting, between HVIL and metal shell :500 VDC.
   D. 与插头对插前,两个HVIL端子之间耐压
      Before matting, between two HVIL terminals :500 VDC.
6. 防护等级 Protection class:IP67 & IP2X.
7. 电磁屏蔽 Shielding.
8. 机械寿命 Mating cycle:100 Min.
9. 带自动二次锁扣 Automatic secondary lock.
10. 接非屏蔽线 Use Unshielding Wire.
11. 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange : 0.86±20% Nm

订购信息 Ordering Information

PL08 2 X - 6 1 - 10

键位 Key	高压互锁 HVIL	线缆大小 Cable Size
"X"	0 ,不带互锁 No HVIL	"10"=10mm²
"Y"	1 ,带互锁 With HVIL	"6"=6mm²
"U"		"4"=4mm²
		"2.5"=2.5mm²

Standard Part List (With HVIL)

P/N	Model NO.	Dimension "A"	Accepted Wire
AC-HA000749	PL082X-61-2.5	Ø2.3mm	2.5mm² Unshielding wire
AC-HA000750	PL082Y-61-2.5		
AC-HA000751	PL082U-61-2.5		
AC-HA000752	PL082X-61-4	Ø3.0mm	4mm² Unshielding wire
AC-HA000753	PL082Y-61-4		
AC-HA000754	PL082U-61-4		
AC-HA000755	PL082X-61-6	Ø4.0mm	6mm² Unshielding wire
AC-HA000756	PL082Y-61-6		
AC-HA000757	PL082U-61-6		
AC-HA001082	PL082X-61-10	Ø4.5mm	10mm² Unshielding wire
AC-HA001083	PL082Y-61-10		
AC-HA001084	PL082U-61-10		

Standard Part List (Without HVIL)

P/N	Model NO.	Dimension "A"	Accepted Wire Size
AC-HA000758	PL082X-60-2.5	Ø2.3mm	2.5mm² Unshielding wire
AC-HA000759	PL082Y-60-2.5		
AC-HA000760	PL082U-60-2.5		
AC-HA000761	PL082X-60-4	Ø3.0mm	4mm² Unshielding wire
AC-HA000762	PL082Y-60-4		
AC-HA000763	PL082U-60-4		
AC-HA000764	PL082X-60-6	Ø4.0mm	6mm² Unshielding wire
AC-HA000765	PL082Y-60-6		
AC-HA000766	PL082U-60-6		
AC-HA001085	PL082X-60-10	Ø4.5mm	10mm² Unshielding wire
AC-HA001086	PL082Y-60-10		
AC-HA001087	PL082U-60-10		

AMPHENOL TPI

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
	1 OF 1	A3	K	

PART NAME: PwrLok 4mm 2POS Rcpt Conn

签 名 SIGNATURE		日期 DATE
制 图 DRAWN	Steven	10/30/19
审 核 CHECKED		
批 准 APPROVAL		

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°

DWG NO: PL082-60

CUST PART #: N/A

CUST REV.: -

THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.