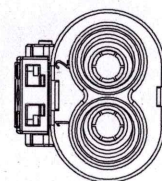
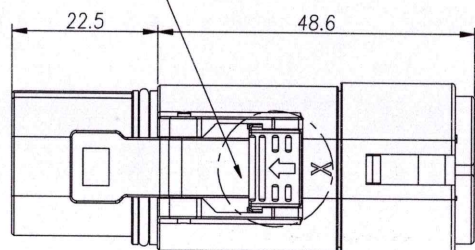
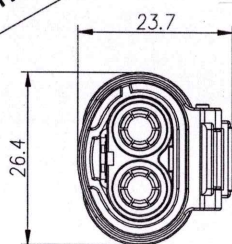
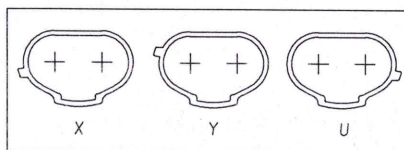
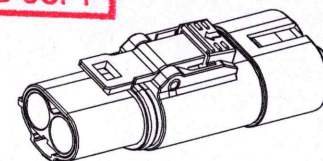
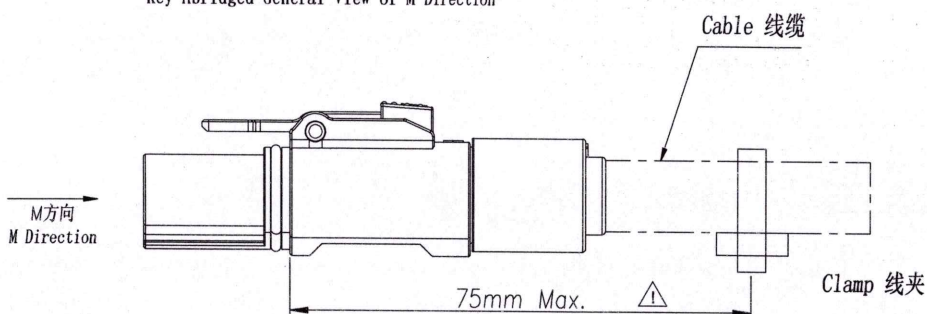


Customer Drawing

Amphenol TPI
2020-09-23
REGISTERED COPYM方向键位示意图
Key Abridged General View of M Direction端子
Terminal

Note:

Mechanical loads applied to the connector must be controlled by appropriate strain relief of the cable. No bend/twist/flex is allowed on cable prior to securement. Cable must be fixed to a point structurally contiguous with the receptacle connector within 75mm Max. from the mating interface of the plug and receptacle. No relative movement between receptacle and first cable securing device is permissible. Strain relief distance should be minimized for all applications

规格参数 (Spec.):

1. 工作温度 Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
2. 额定电流 Current rating (connector only):
6mm²: 45A, 10mm²: 60A.
3. 额定电压 Operating voltage: 1000 VDC.
4. 耐电压 Dielectric withstanding voltage: 5000 VDC.
5. 防护等级 Protection rating: IP67 & IP2X.
6. 电磁屏蔽 Shielding.
7. 机械寿命 Mating cycle: 100 Min.
8. 带自动二次锁扣 Automatic secondary lock.
9. 带高压互锁 Electrical interlock (HVIL).
10. 对插座见图纸 Mating receptacle see drawing: "PL082-60".

订购信息 Ordering Information

PL18	2	X	-	6	1	-	10	B
键位及颜色 Key & Color			高压互锁 HVIL			线缆大小 Cable Size		
"X", 橙色 Orange			0, 不带互锁 No HVIL			"10"=10mm ² shielding		
"Y", 黑色 Black			1, 带互锁 With HVIL			"6"=6mm ² shielding		
"U", 黄色 Yellow								

Standard Part List (With HVIL)带高压互锁

P/N	Model NO.	Recommended Wire OD	Dimension "A"	Mating Rcpt Model NO.
AC-HA016157	PL182X-61-6B	6.4~7.0mm	$\phi 5.80\text{mm}$	PL082X-61-6B
AC-HA016158	PL182Y-61-6B			PL082Y-61-6B
AC-HA016159	PL182U-61-6B			PL082U-61-6B
AC-HA016160	PL182X-61-10B	8.3~8.9mm	$\phi 7.40\text{mm}$	PL082X-61-10B
AC-HA016161	PL182Y-61-10B			PL082Y-61-10B
AC-HA016162	PL182U-61-10B			PL082U-61-10B

Standard Part List (Without HVIL)不带高压互锁

P/N	Model NO.	Recommended Wire OD	Dimension "A"	Mating Rcpt Model NO.
AC-HA016145	PL182X-60-6B	6.4~7.0mm	$\phi 5.80\text{mm}$	PL082X-60-6B
AC-HA016146	PL182Y-60-6B			PL082Y-60-6B
AC-HA016147	PL182U-60-6B			PL082U-60-6B
AC-HA016148	PL182X-60-10B	8.3~8.9mm	$\phi 7.40\text{mm}$	PL082X-60-10B
AC-HA016149	PL182Y-60-10B			PL082Y-60-10B
AC-HA016150	PL182U-60-10B			PL082U-60-10B

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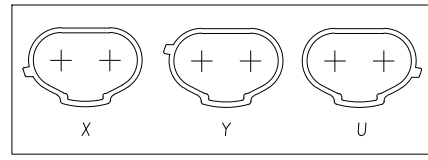
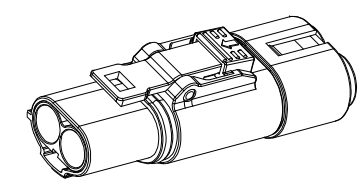
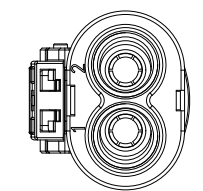
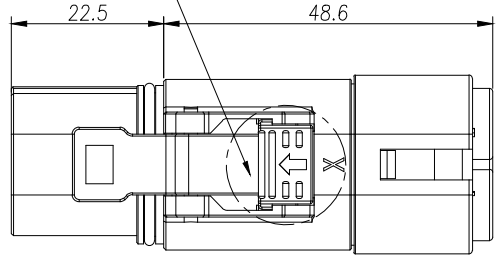
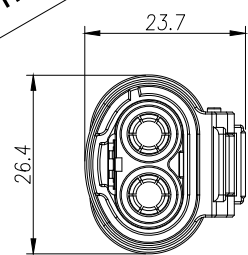
Amphenol Technical Products International Asia.

第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: PwrLok 4mm 2POS Plug Conn
	2 of 2	A3	B		
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:
制图 DRAWN	Fred	09/15/20	1) All dimensions are in metric (mm).		
审核 CHECKED	Shun	9.15	2) Tolerances are as follows:		
批准 APPROVAL	2020.9.18		0 PL DEC ± 1.00		
			1 PL DEC ± 0.50		
			2 PL DEC ± 0.20		
			Angles $\pm 1^{\circ}$		
					CUST PART #:
					N/A
					CUST REV.
					-

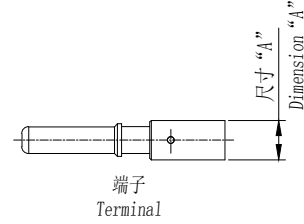
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6		7		8		
REV		ZONE		ECO		REVISIONS
DESCRIPTION		DATE		BY		APPR
A		--		--		INITIAL RELEASE
B		--		--		修改对配连接器型号
		06/15/20		Steven		JL
		09/15/20		Fred		JL

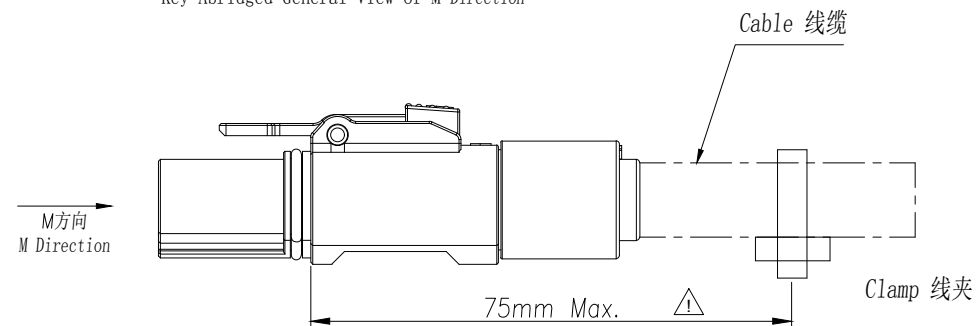
Customer Drawing



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



端子
Terminal



Note:
Mechanical loads applied to the connector must be controlled by appropriate strain relief of the cable. No bend/twist/flex is allowed on cable prior to securement. Cable must be fixed to a point structurally contiguous with the receptacle connector within 75mm Max. from the mating interface of the plug and receptacle. No relative movement between receptacle and first cable securing device is permissible. Strain relief distance should be minimized for all applications

- 规格参数 (Spec.):
- 工作温度 Operating temperature: -40° C~+125° C.
 - 额定电流 Current rating (connector only):
6mm²: 45A, 10mm²: 60A.
 - 额定电压 Operating voltage: 1000 VDC.
 - 耐电压 Dielectric withstanding voltage: 5000 VDC.
 - 防护等级 Protection class: IP67 & IP2X.
 - 电磁屏蔽 Shielding.
 - 机械寿命 Mating cycle: 100 Min.
 - 带自动二次锁扣 Automatic secondary lock.
 - 带高压互锁 Electrical interlock (HVIL).
 - 对配插座见图纸 Mating receptacle see drawing: "PL082-60".
 - 10mm² 推荐使用6角免换模压接.

订购信息 Ordering Information

PL18	2	X	-	6	1	-	10	B
键位及颜色 Key & Color			高压互锁 HVIL			线缆大小 Cable Size		
"X", 橙色 Orange			0, 不带互锁 No HVIL			"10"=10mm ² shielding		
"Y", 黑色 Black			1, 带互锁 With HVIL			"6"=6mm ² shielding		
"U", 黄色 Yellow								

Standard Part List (With HVIL)带高压互锁

P/N	Model NO.	Recommended Wire OD	Dimension "A"	Mating Rcpt Model NO.	B
AC-HA016157	PL182X-61-6B	6. 4~7. 0mm	ø5. 80mm	PL082X-61-6B	
AC-HA016158	PL182Y-61-6B			PL082Y-61-6B	D
AC-HA016159	PL182U-61-6B			PL082U-61-6B	
AC-HA016160	PL182X-61-10B	8. 3~8. 9mm	ø7. 40mm	PL082X-61-10B	E
AC-HA016161	PL182Y-61-10B			PL082Y-61-10B	
AC-HA016162	PL182U-61-10B			PL082U-61-10B	

Standard Part List (Without HVIL)不带高压互锁

P/N	Model NO.	Recommended Wire OD	Dimension "A"	Mating Rcpt Model NO.	B
AC-HA016145	PL182X-60-6B	6. 4~7. 0mm	ø5. 80mm	PL082X-60-6B	
AC-HA016146	PL182Y-60-6B			PL082Y-60-6B	E
AC-HA016147	PL182U-60-6B			PL082U-60-6B	
AC-HA016148	PL182X-60-10B	8. 3~8. 9mm	ø7. 40mm	PL082X-60-10B	F
AC-HA016149	PL182Y-60-10B			PL082Y-60-10B	
AC-HA016150	PL182U-60-10B			PL082U-60-10B	

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TP

第三角投影
THIRD ANGLE
PROJECTION

签名 SIGNATURE

日期 DATE

制图 DRAWN

审核 CHECKED

批准 APPROVAL

2 of 2

A3

B

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°

PART NAME:

PwrLok 4mm 2POS Plug Conn

DWG NO:

PL182(X)-6(1)-(6)B

CUST PART #:

N/A

CUST REV.

-