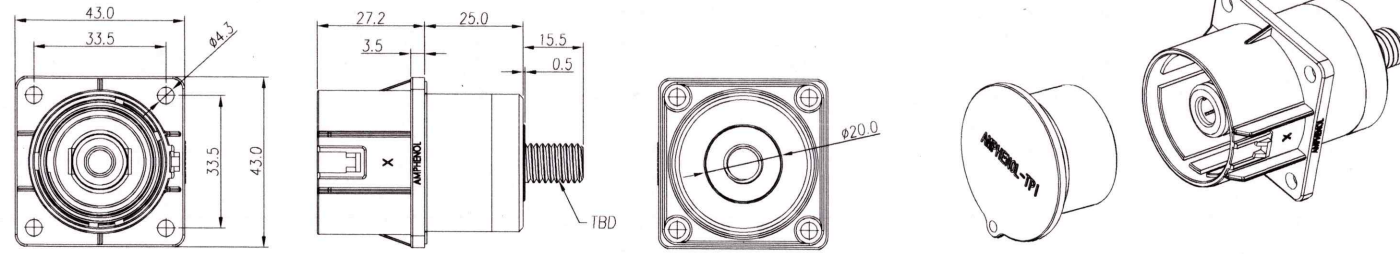


Customer Drawing

Amphenol TPI
2022-01-20
REGISTERED COPY

REVISIONS					
REV	ZONE	ECO	DESCRIPTION	DATE	BY APPR
A	---	---	INITIAL RELEASE	01/09/15	RW EC
B	---	---	Add fasten torque on rear stud and flange	08/14/15	RW TS
C	---	---	Add rib feature on the gasket	08/20/15	RW GX
D	---	---	Add part number	12/05/17	Sam Julie
E	---	---	Update spec.	11/27/18	Fred JL
F	---	---	Update notes	12/11/19	Steven JL
G	---	---	Add requirements for mounting panels	01/19/22	DL JL

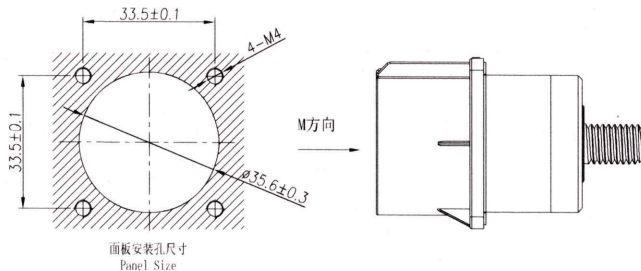


Standard Part List

P/N	Model NO.	Polarization
AC-HA000578	PL00X-500-20M8	X
AC-HA000579	PL00Y-500-20M8	Y
AC-HA000580	PL00U-500-20M8	U
AC-HA000581	PL00V-500-20M8	V
AC-HA000582	PL00W-500-20M8	W
AC-HA000583	PL00X-500-20M10	X
AC-HA000584	PL00Y-500-20M10	Y
AC-HA000585	PL00U-500-20M10	U
AC-HA000586	PL00V-500-20M10	V
AC-HA000587	PL00W-500-20M10	W

Notices:

1. All non-dimensioned surfaces according to 3D-model
2. Planeness of panel surface should less than or equal to 0.1mm
3. Roughness of panel surface should be $\sqrt{6.3}$ or better.
4. Thickness of panel should not exceed 12mm.



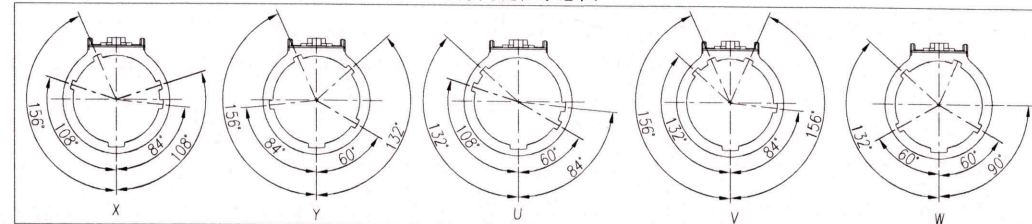
规格参数 (Spec.):

1. 工作温度 Operating temperature:
-40° C~+125° C.
2. 带高压互锁 Electrical interlock (HWIL).
3. 额定电流 Current rating:
Power: 500A;
4. 额定电压 Operating voltage:
Power: 1000 VDC;
5. 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.
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. 推荐安装扭矩 Recommended Fasten Torque on Lug:
M6 : 3.6~4.4 Nm
M8 : 7.2~8.8 Nm
M10: 17.1~20.9 Nm
11. 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

PL00	X	-	50	0	-	20	M10
键位及颜色 Key & Color		高压互锁 HWIL		螺纹 Thread			
"X", 橙色 Orange		0, 不带互锁 No HWIL		M8			
"Y", 黑色 Black				M10			
"U", 黄色 Yellow							
"V", 绿色 Green							
"W", 红色 Red							

M方向键位示意图



AMPHENOL
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Amphenol Technical Products International GZ

第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV	比例 SCALE	PART NAME: PwrLok 14mm 1POS Rcpt Thread
1 OF 1	A3	G			

签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED	DWG NO:
制图 DRAWN	DL	1) All dimensions are in metric (mm).	PL00-500-20
审核 CHECKED		2) Tolerances are as follows:	CUST PART #
批准 APPROVED		0 PL DEC ±1.00	N/A
		1 PL DEC ±0.50	CUST REV.
		2 PL DEC ±0.20	

Angles ±1°

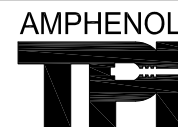
Customer Drawing

P/N	Model NO.	Polarization
AC-HA000578	PL00X-500-20M8	X
AC-HA000579	PL00Y-500-20M8	Y
AC-HA000580	PL00U-500-20M8	U
AC-HA000581	PL00V-500-20M8	V
AC-HA000582	PL00W-500-20M8	W
AC-HA000583	PL00X-500-20M10	X
AC-HA000584	PL00Y-500-20M10	Y
AC-HA000585	PL00U-500-20M10	U
AC-HA000586	PL00V-500-20M10	V
AC-HA000587	PL00W-500-20M10	W

1. All non-dimensioned surfaces according to 3D-model
2. Planeness of panel surface should less than or equal to 0.1mm
3. Roughness of panel surface should be $\sqrt{6.3}$ or better.
4. Thickness of panel should not exceed 12mm.

1. 工作温度 Operating temperature:
-40℃ ~+125℃ C.
2. 带高压互锁 Electrical interlock (HVIL).
3. 额定电流 Current rating:
Power: 500A;
4. 额定电压 Operating voltage:
Power: 1000 VDC;
5. 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.
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. 铜排推荐安装扭矩 Recommended Fasten Torque on Lug:
M6 : 3.6~4.4 Nm
M8 : 7.2~8.8 Nm
M10: 17.1~20.9 Nm
11. 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly T

PL00	X	-	50	0	-	20	M10
键位及颜色 key & Color		高压互锁 HVIL				螺纹 Thread	
"X", 橙色 Orange		0, 不带互锁 No HVIL				M8	
"Y", 黑色 Black						M10	
"U", 黄色 Yellow							
"V", 绿色 Green							
"W", 红色 Red							



Amphenol Technical Products International GZ

第三角投影 THIRD ANGLE PROJECTION 	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: PwrLok 14mm IPOS Rcpt Thread
日期 DATE 01/19/22	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 $\pm 1^\circ$				DWG NO: PL00-500-20
					CUST PART #: N/A
					CUST REV. -