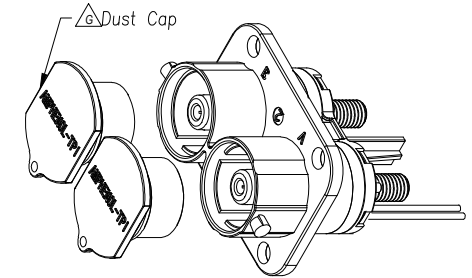
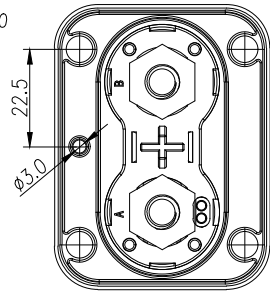
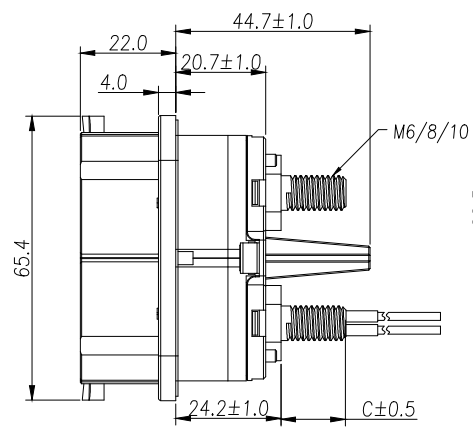
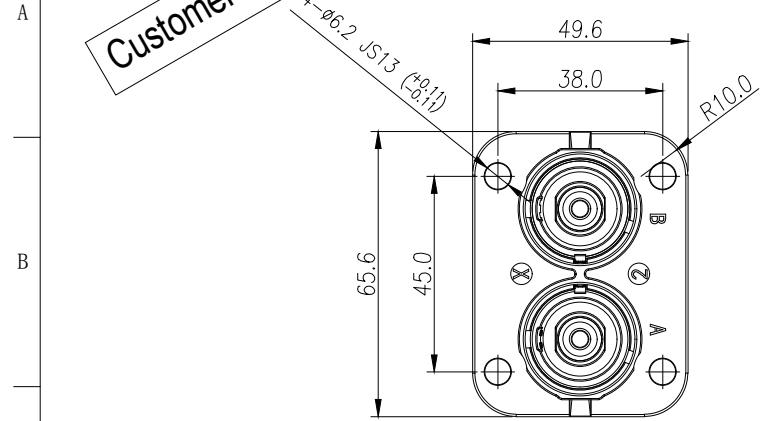


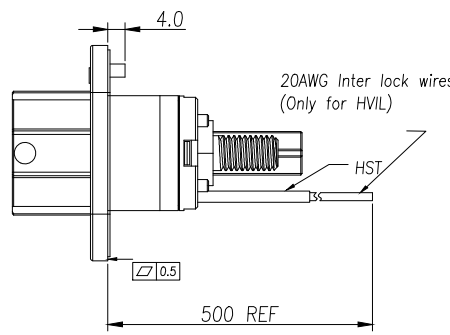
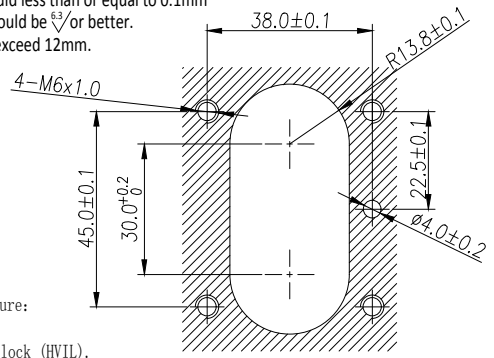
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Customer Drawing

REV. ZONE			REVISIONS			
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	--	--	INITIAL RELEASE	05/21/14	RW	EC
G	--	--	Add Dust Cap & Change HVIL Wire, Update Spec.	03/30/16	RW	GX
H	--	--	Add Geometric Tolerance of Flange & Panel	10/21/16	RW	PL
I	--	--	Change Shell and Gasket	05/09/17	Sam	Julie
J	--	--	Add Model	03/28/19	Steven	JL
K	--	--	Update Spec.	12/02/19	Fred	JL
L	--	--	Update written errors	11/24/20	Steven	JL



- Notices:
- All non-dimensioned surfaces according to 3D-model & $\nabla 3$
 - Planeness of panel surface should less than or equal to 0.1mm
 - Roughness of panel surface should be $R\sqrt{3}$ or better.
 - Thickness of panel should not exceed 12mm.



Standard Part List (With HVIL)

P/N	Model NO.	Mating Plug Model NO.	C
AC-HA001507	PL082X-301-20M8	PL182X-301-XX, PL282X-301-XX	15.0
AC-HA001508	PL082Y-301-20M8	PL182Y-301-XX, PL282Y-301-XX	15.0
AC-HA002523	PL082X-301-20M6	PL182X-301-XX, PL282X-301-XX	12.0
AC-HA002524	PL082Y-301-20M6	PL182Y-301-XX, PL282Y-301-XX	12.0
AC-HA002525	PL082X-301-20M10	PL182X-301-XX, PL282X-301-XX	15.0
AC-HA002526	PL082Y-301-20M10	PL182Y-301-XX, PL282Y-301-XX	15.0

Standard Part List (Without HVIL)

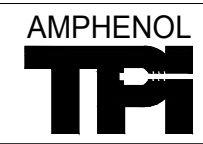
P/N	Model NO.	Mating Plug Model NO.	A
AC-HA000947	PL082X-300-20M8	PL182X-300-XX, PL282X-300-XX	15.0
AC-HA000948	PL082Y-300-20M8	PL182Y-300-XX, PL282Y-300-XX	15.0
AC-HA002527	PL082X-300-20M6	PL182X-300-XX, PL282X-300-XX	12.0
AC-HA002528	PL082Y-300-20M6	PL182Y-300-XX, PL282Y-300-XX	12.0
AC-HA002529	PL082X-300-20M10	PL182X-300-XX, PL282X-300-XX	15.0
AC-HA002530	PL082Y-300-20M10	PL182Y-300-XX, PL282Y-300-XX	15.0

- 规格参数 (Spec.):
- 工作温度 Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
 - 带高压互锁 Electrical interlock (HVIL).
 - 额定电流 Current rating:
Power: 300A; HVIL: 5A.
 - 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
 - 耐电压 Dielectric withstanding voltage:
 - 与插头对插后, Pin与铁壳之间
After mating, between pin and metal shell :5000 VDC.
 - 与插头对插后, Pin与HVIL之间
After mating, between pin and HVIL :5000 VDC.
 - 与插头对插后, HVIL与铁壳之间
After mating, between HVIL and metal shell :500 VDC.
 - 与插头对插前, 两个HVIL端子之间耐压
Before mating, between two HVIL terminals :500 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.
 - 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
 - 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange : 6.2~7.6 Nm

面板安装孔尺寸
Panel Size

订购信息 Ordering Information

PL082 X	- 30	1	- 20	M	8
键位及颜色 Key	高压互锁 HVIL	螺钉大小 Thread Size			
"X" Key	0, 不带互锁 No HVIL	M6			
"Y" Key	1, 带互锁 With HVIL	M8			
		M10			



Amphenol Technical Products International Asia.

签 名 SIGNATURE		日期 DATE		UNLESS OTHERWISE SPECIFIED		PART NAME:	
制 图 DRAWN		Steven		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		PwrLok 10mm 2POS Rcpt Conn	
审 核 CHECKED				角 度 ANGLES		DWG NO:	
批 准 APPROVAL				Angles ±1°		PL082-300-20	
						CUST PART #:	
						N/A	
						CUST REV.:	
						-	