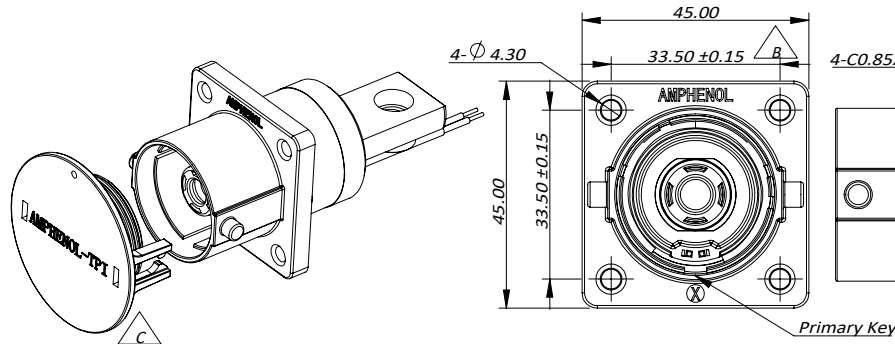


CUSTOMER DRAWING

REVISIONS					
REV#	ECN#	REVISION ACTION	REV. BY:	APPR. BY:	DATE
A	--	INITIAL RELEASE	YM	JL	02/17/2020
E	--	Change the temperature of technical points	Star	JL	12/03/2021
F	--	Add chamfer for hole position	Star	JL	01/14/2022
G	--	Change operating temperature and voltage	JS	JL	08/16/2022
H	--	Change dielectric withstanding voltage	JS	JL	03/01/2023



键位 Key	A	B
X	80°	36°
Y	50°	86°
U	36°	76°
V	100°	56°
W	130°	60°
T	144°	96°

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:

Power: 500A; HVIL: 5A.

4. 额定电压 Operating voltage:

Power: 1500 VDC; Signal: 60 VDC.

5. 耐压 Dielectric withstanding voltage:

A. 与插头对接后, Pin与铁壳之间

When mated, between pin and metal shell: 8000 VDC.

B. 与插头对接后, Pin与HVIL之间

When mated, between pin and HVIL: 8000 VDC.

C. 与插头对接后, HVIL与铁壳之间

When mated, between HVIL and metal shell: 500 VDC.

D. 与插头对接前, 两个HVIL端子之间耐压

Before mating, between two HVIL terminals: 500 VDC.

6. 防护等级 Protection class: Mated-IP6k9k & IP67, unmated-IP2X.

7. 电磁屏蔽 360° full Shielding.

8. 机械寿命 Mating cycle: 100 Min.

9. 绝缘材料满足UL94V-0 Inner insulation material satisfy UL94V-0.

10. 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange: 1.6~2.4Nm

11. 推荐铜排安装扭矩 Recommended Fasten Torque on Lug:

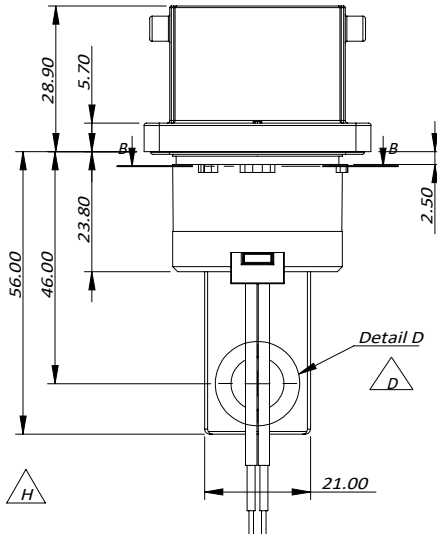
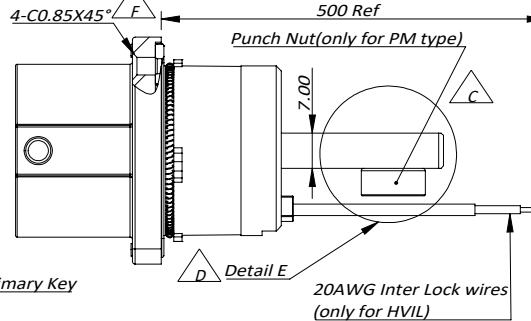
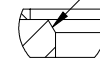
M6: 3.6~4.4Nm, M8: 7.2~8.8Nm, M10: 17.1~20.9Nm

12. 镀银/镍合金, 满足500H中性盐雾实验

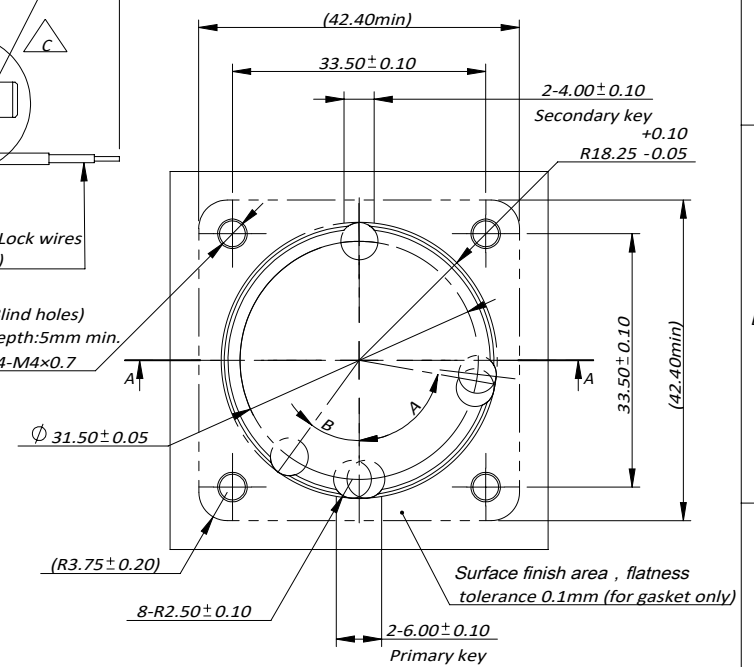
Gray Zinc/Nickel(ZnNi) Plating, Rated at 500 hours salt spray.

13. 产品满足RoHS和REACH要求. Parts must be RoHS and reach compliant.

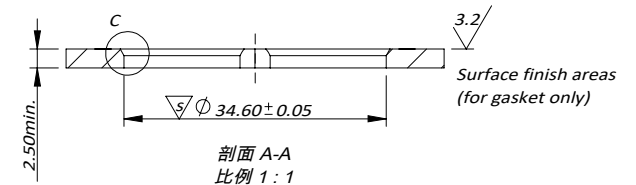
14. 绝缘体为140°RTI材料. The insulators are 140° RTI material.

剖面 B-B
比例 1:1.5局部视图 C
比例 2:1

推荐面板开孔图 Recommended panel cut out size



Dim A/B: different key use different angle size



订购信息 Ordering Information

PL 00 X - 50X - 10X X - 2

Key and Color	HVIL	Hole Type	Hole Size
"X", Orange	"0", NO HVIL	"D", Through Hole	
"Y", Black	"1", With HVIL	"M", thread hole	
"U", Yellow		"H", slot hole	
"V", Green		"PM", Punch Nut	
"W", Red			
"T", Blue			

Key	Characteristics	Critical
Contact	Amphenol for Latest Definition	关键特性
		重要性



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:
	1 OF 2	A4	H		PwrLok 14mm G2 Rcpt Lug
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:
制图 DRAWN	July.su	1) All dimensions are in metric (mm).			PL00X-50X-10XX-2
审核 CHECKED		2) Tolerances are as follows:			CUST PART #
批准 APPROVAL		1. PL DEC ± 1.00			CUST REV.
		2. PL DEC ± 0.50			
		3. PL DEC ± 0.20			
		Angles ± 1°			

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.

1		2	3		4		5	6		7	8																																													
P/N 料号		Model No. 型号	P/N 料号		Model No. 型号		C	REVISIONS																																																
AC-HA011160		PL00X-500-10M8-2	AC-HA017583		PL00X-500-10M6-2			REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE																																											
AC-HA011161		PL00Y-500-10M8-2	AC-HA017584		PL00Y-500-10M6-2			A	--	INITIAL RELEASE	YM	JL	02/17/2020																																											
AC-HA011162		PL00U-500-10M8-2	AC-HA017585		PL00U-500-10M6-2			C	--	Add dust cap, oring and M6 PM8 specifications	Star	James	12/30/2020																																											
AC-HA011163		PL00V-500-10M8-2	AC-HA017586		PL00V-500-10M6-2			D	--	Add detailed view of lug	Star	JL	06/17/2021																																											
AC-HA011164		PL00W-500-10M8-2	AC-HA017587		PL00W-500-10M6-2			E	--	Change the temperature of technical points	Star	JL	12/03/2021																																											
AC-HA011165		PL00X-500-10M10-2	AC-HA017588		PL00T-500-10M6-2			F	--	Add chamfer for hole position	Star	JL	01/14/2022																																											
AC-HA011166		PL00Y-500-10M10-2	AC-HA017589		PL00X-501-10M6-2			G	--	Change operating temperature and voltage	JS	JL	08/16/2022																																											
AC-HA011167		PL00U-500-10M10-2	AC-HA017590		PL00Y-501-10M6-2			H	--	Change dielectric withstanding voltage	JS	JL	03/01/2023																																											
AC-HA011168		PL00V-500-10M10-2	AC-HA017591		PL00U-501-10M6-2																																																			
AC-HA011169		PL00W-500-10M10-2	AC-HA017592		PL00V-501-10M6-2																																																			
AC-HA011170		PL00X-500-10D8-2	AC-HA017593		PL00W-501-10M6-2																																																			
AC-HA011171		PL00Y-500-10D8-2	AC-HA017594		PL00T-501-10M6-2																																																			
AC-HA011172		PL00U-500-10D8-2	AC-HA016486		PL00X-500-10PM8-2		D	DX DETAIL D DETAIL E SCALE 2 : 3 <table><tr><td>Model No</td><td>Through hole size DX</td></tr><tr><td>PL00-50X-10D8-2</td><td>Ø 8.50</td></tr><tr><td>PL00-50X-10D10-2</td><td>Ø 10.50</td></tr></table>						Model No	Through hole size DX	PL00-50X-10D8-2	Ø 8.50	PL00-50X-10D10-2	Ø 10.50																																					
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AC-HA011173		PL00V-500-10D8-2	AC-HA016487		PL00Y-500-10PM8-2																																																			
AC-HA011174		PL00W-500-10D8-2	AC-HA016488		PL00U-500-10PM8-2																																																			
AC-HA011175		PL00X-500-10D10-2	AC-HA016489		PL00V-500-10PM8-2																																																			
AC-HA011176		PL00Y-500-10D10-2	AC-HA016490		PL00W-500-10PM8-2																																																			
AC-HA011177		PL00U-500-10D10-2	AC-HA016491		PL00T-500-10PM8-2																																																			
AC-HA011178		PL00V-500-10D10-2	AC-HA016492		PL00X-501-10PM8-2																																																			
AC-HA011179		PL00W-500-10D10-2	AC-HA016493		PL00Y-501-10PM8-2																																																			
AC-HA011180		PL00X-501-10M8-2	AC-HA016494		PL00U-501-10PM8-2																																																			
AC-HA011181		PL00Y-501-10M8-2	AC-HA016495		PL00V-501-10PM8-2		MX DETAIL D DETAIL E SCALE 2 : 3 <table><tr><td>Model No</td><td>Punch Nut size MX</td></tr><tr><td>PL00-50X-10PM8-2</td><td>M8</td></tr></table>						Model No	Punch Nut size MX	PL00-50X-10PM8-2	M8																																								
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PL00-50X-10PM8-2	M8																																																							
AC-HA011182		PL00U-501-10M8-2	AC-HA016496		PL00W-501-10PM8-2																																																			
AC-HA011183		PL00V-501-10M8-2	AC-HA016497		PL00T-501-10PM8-2																																																			
AC-HA011184		PL00W-501-10M8-2																																																						
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AC-HA011190		PL00X-501-10D8-2					MX DETAIL D DETAIL E SCALE 2 : 3 <table><tr><td>Model No</td><td>Thread hole size MX</td></tr><tr><td>PL00-50X-10M6-2</td><td>M6</td></tr><tr><td>PL00-50X-10M8-2</td><td>M8</td></tr><tr><td>PL00-50X-10M10-2</td><td>M10</td></tr></table>						Model No	Thread hole size MX	PL00-50X-10M6-2	M6	PL00-50X-10M8-2	M8	PL00-50X-10M10-2	M10																																				
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PL00-50X-10M8-2	M8																																																							
PL00-50X-10M10-2	M10																																																							
AC-HA011191		PL00Y-501-10D8-2																																																						
AC-HA011192		PL00U-501-10D8-2																																																						
AC-HA011193		PL00V-501-10D8-2																																																						
AC-HA011194		PL00W-501-10D8-2																																																						
AC-HA011195		PL00X-501-10D10-2																																																						
AC-HA011196		PL00Y-501-10D10-2																																																						
AC-HA011197		PL00U-501-10D10-2																																																						
AC-HA011198		PL00V-501-10D10-2																																																						
AC-HA011199		PL00W-501-10D10-2																																																						
AC-HA011969		PL00T-500-10D8-2					AMPHENOL TP Amphenol Technical Products International Asia. <table><tr><td>第三角投影 THIRD ANGLE PROJECTION</td><td>页面 SHEET</td><td>幅面 SIZE</td><td>版次 REV.</td><td>比例 SCALE</td><td colspan="3">PART NAME: PwrLok 14mm G2 Rcpt Lug</td></tr><tr><td>2 OF 2</td><td>A4</td><td>H</td><td colspan="3" rowspan="3">UNLESS OTHERWISE SPECIEIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1.PL DEC ± 1.00 2.PL DEC ± 0.50 3.PL DEC ± 0.20 Angles ±1°</td><td colspan="2">DWG NO: PL00X-50X-10XX-2</td></tr><tr><td colspan="3">签名 SIGNATURE</td><td>日期 DATE</td><td colspan="2">CUST PART #</td></tr><tr><td colspan="3">制图 DRAWN</td><td>July.su</td><td colspan="2">CUST REV.</td></tr><tr><td colspan="3">审核 CHECKED</td><td></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="3">批准 APPROVAL</td><td></td><td colspan="2"></td><td colspan="2"></td></tr></table>						第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME: PwrLok 14mm G2 Rcpt Lug			2 OF 2	A4	H	UNLESS OTHERWISE SPECIEIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1.PL DEC ± 1.00 2.PL DEC ± 0.50 3.PL DEC ± 0.20 Angles ±1°			DWG NO: PL00X-50X-10XX-2		签名 SIGNATURE			日期 DATE	CUST PART #		制图 DRAWN			July.su	CUST REV.		审核 CHECKED								批准 APPROVAL							
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AC-HA011970		PL00T-500-10M8-2																																																						
AC-HA011971		PL00T-500-10M10-2																																																						
AC-HA011972		PL00T-500-10D10-2																																																						
AC-HA011973		PL00T-501-10D8-2																																																						
AC-HA011974		PL00T-501-10M8-2																																																						
AC-HA011975		PL00T-501-10M10-2																																																						
AC-HA011976		PL00T-501-10D10-2																																																						