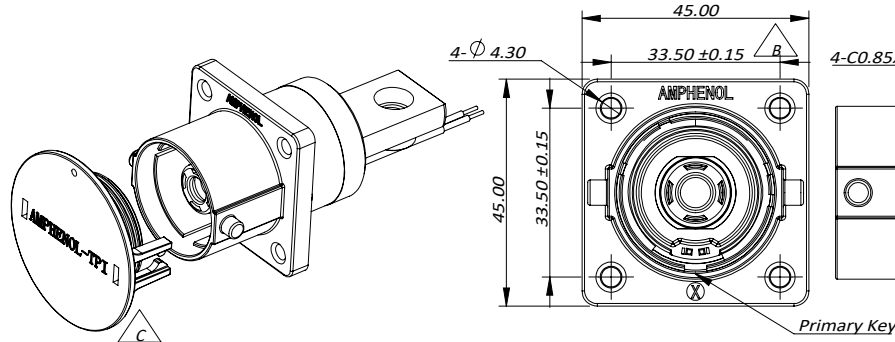


CUSTOMER DRAWING

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:

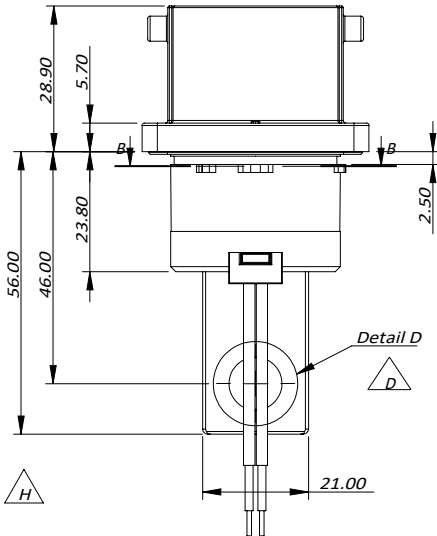
M6: 3.6~4.4Nm, M8: 7.2~8.8Nm, M10: 17.1~20.9Nm

12. 镀灰锌/镍合金, 满足500H中性盐雾实验

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

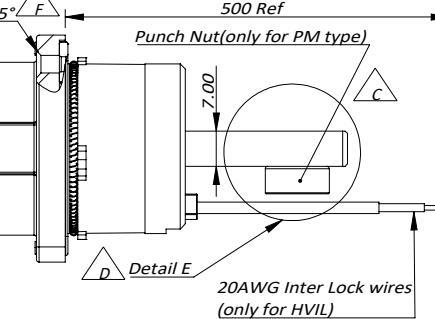
13. 产品满足 RoHS 和 REACH 要求. Parts must be RoHS and reach compliant.

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



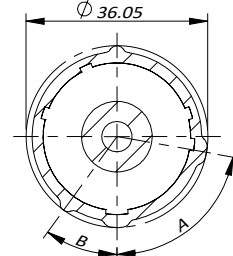
Detail D

D



Detail E

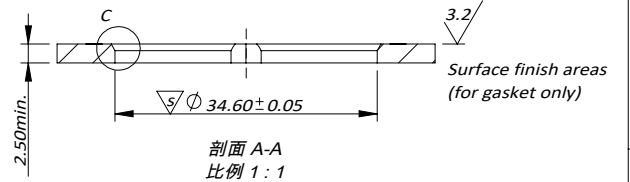
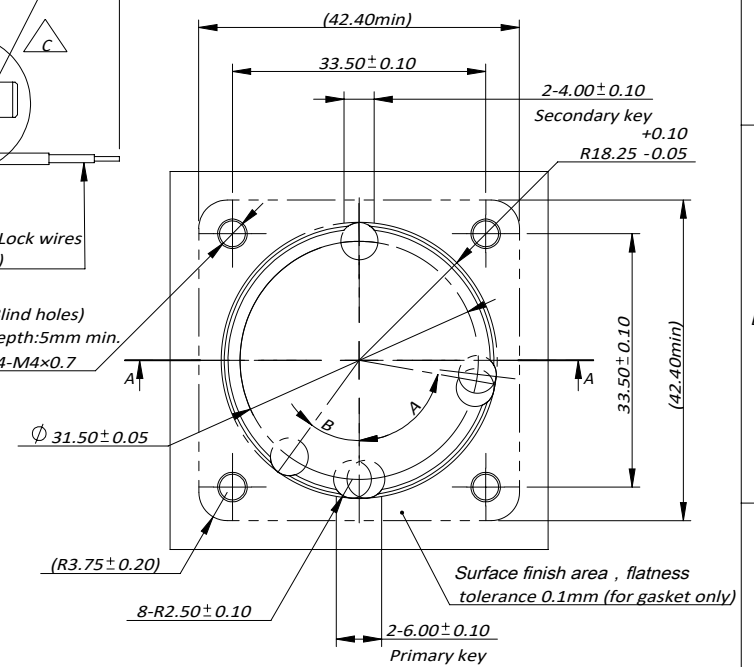
20AWG Inter Lock wires (only for HVIL)

剖面 B-B
比例 1:1.5

0.50 ± 0.10 × 60° (for coil spring lead in)

局部视图 C
比例 2:1

推荐面板开孔图 Recommended panel cut out size

剖面 A-A
比例 1:1

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
		重要特性



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-10X-X-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°			

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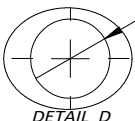
1	2
P/N 料号	Model No. 型号
AC-HA011160	PL00X-500-10M8-2
AC-HA011161	PL00Y-500-10M8-2
AC-HA011162	PL00U-500-10M8-2
AC-HA011163	PL00V-500-10M8-2
AC-HA011164	PL00W-500-10M8-2
AC-HA011165	PL00X-500-10M10-2
AC-HA011166	PL00Y-500-10M10-2
AC-HA011167	PL00U-500-10M10-2
AC-HA011168	PL00V-500-10M10-2
AC-HA011169	PL00W-500-10M10-2
AC-HA011170	PL00X-500-10D8-2
AC-HA011171	PL00Y-500-10D8-2
AC-HA011172	PL00U-500-10D8-2
AC-HA011173	PL00V-500-10D8-2
AC-HA011174	PL00W-500-10D8-2
AC-HA011175	PL00X-500-10D10-2
AC-HA011176	PL00Y-500-10D10-2
AC-HA011177	PL00U-500-10D10-2
AC-HA011178	PL00V-500-10D10-2
AC-HA011179	PL00W-500-10D10-2
AC-HA011180	PL00X-501-10M8-2
AC-HA011181	PL00Y-501-10M8-2
AC-HA011182	PL00U-501-10M8-2
AC-HA011183	PL00V-501-10M8-2
AC-HA011184	PL00W-501-10M8-2
AC-HA011185	PL00X-501-10M10-2
AC-HA011186	PL00Y-501-10M10-2
AC-HA011187	PL00U-501-10M10-2
AC-HA011188	PL00V-501-10M10-2
AC-HA011189	PL00W-501-10M10-2
AC-HA011190	PL00X-501-10D8-2
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
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

3	4
P/N 料号	Model No. 型号
AC-HA017583	PL00X-500-10M6-2
AC-HA017584	PL00Y-500-10M6-2
AC-HA017585	PL00U-500-10M6-2
AC-HA017586	PL00V-500-10M6-2
AC-HA017587	PL00W-500-10M6-2
AC-HA017588	PL00T-500-10M6-2
AC-HA017589	PL00X-501-10M6-2
AC-HA017590	PL00Y-501-10M6-2
AC-HA017591	PL00U-501-10M6-2
AC-HA017592	PL00V-501-10M6-2
AC-HA017593	PL00W-501-10M6-2
AC-HA017594	PL00T-501-10M6-2
AC-HA016486	PL00X-500-10PM8-2
AC-HA016487	PL00Y-500-10PM8-2
AC-HA016488	PL00U-500-10PM8-2
AC-HA016489	PL00V-500-10PM8-2
AC-HA016490	PL00W-500-10PM8-2
AC-HA016491	PL00T-500-10PM8-2
AC-HA016492	PL00X-501-10PM8-2
AC-HA016493	PL00Y-501-10PM8-2
AC-HA016494	PL00U-501-10PM8-2
AC-HA016495	PL00V-501-10PM8-2
AC-HA016496	PL00W-501-10PM8-2
AC-HA016497	PL00T-501-10PM8-2

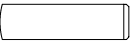


REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	YM	JL	02/17/2020
C	--	Add dust cap, oring and M6 PM8 specifications	Star	James	12/30/2020
D	--	Add detailed view of lug	Star	JL	06/17/2021
E	--	Change the temperature of technical points	Star	JL	12/03/2021
F	--	Add chamfer 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





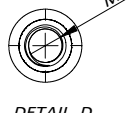
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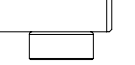
DETAIL E
SCALE 2 : 3

Model No	Through hole size DX
PL00-50X-10D8-2	Ø 8.50
PL00-50X-10D10-2	Ø 10.50





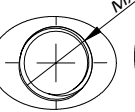
DETAIL D



DETAIL E
SCALE 2 : 3

Model No	Punch Nut size MX
PL00-50X-10PM8-2	M8



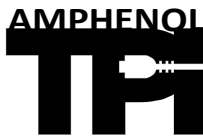


DETAIL D



DETAIL E
SCALE 2 : 3

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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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		
签 名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED 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
制 图 DRAWN	July.su	03/01/2023			CUST PART #
审 核 CHECKED					CUST REV.
批 准 APPROVAL					

1	2	3	4	5	6	7	8
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