

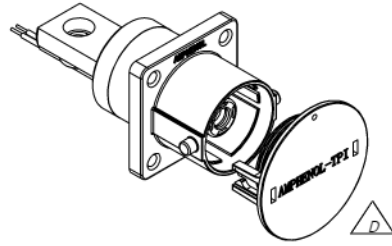
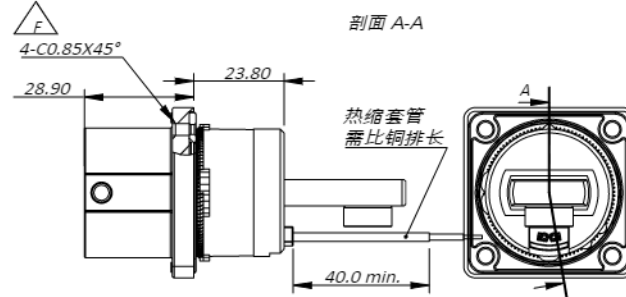
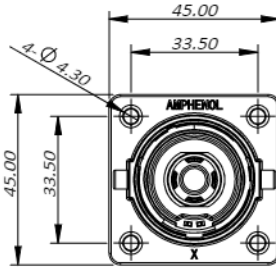
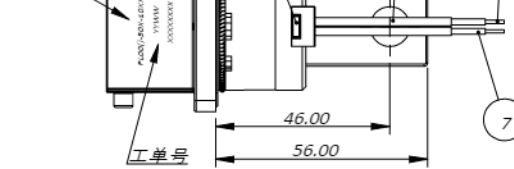
注:

1、高压互锁锁与端子的连接处需套ITEM 8热缩管保护,长度比铜牌长。

2、印字内容如下:

PL00X-50X-10XX-2
YYWW
XXXXXX

连接器型号

“YY”年份,取后面两位;“WW”周次
工单号,为6位流水码印字内容
见备注

规格参数(Spec.):

1. 工作温度 Operating temperature: -40°C ~ +140°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: 1000 VDC; Signal: 60 VDC.

5. 耐电压 Dielectric withstanding voltage:

A. 与插头对接后, Pin与铁壳之间

When mated, between pin and metal shell: 5000 VDC.

B. 与插头对接后, Pin与HVIL之间

When mated, between pin and HVIL: 5000 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. 产品满足RoHS和REACH要求. Parts must be RoHS and reach compliant

Table 1

插座料号	ITEM 1
PL00X-50X-10XX-2	1P2000740-OR
PL00Y-50X-10XX-2	1P2000740-BK
PL00U-50X-10XX-2	1P2000740-YL
PL00V-50X-10XX-2	1P2000740-GN
PL00W-50X-10XX-2	1P2000740-RE
PL00T-50X-10XX-2	1P2000740-BU

Key Characteristics
Contact
Amphenol for Latest Definition

Critical
关键特性

Significant
重要特性

REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	YM	JL	02/17/2020
C	ECNG200802	更改高压互锁线料号的描述	JS	JL	08/07/2020
D	ECNG210104	Add dust cap, oring and M6 PM8 specifications	Star	James	12/30/2020
E	ECNG211201	Change the temperature of technical points	Star	JL	12/03/2021
F	ECNG220106	Add chamfer for hole position	Star	JL	01/14/2021

Part No. Information 料号信息

PL00 X - 50X - 10 X X - 2

Key & Color

"X"=Orange
"Y"=Black
"U"=Yellow
"V"=Green
"W"=Red
"T"=Blue

HVIL:

"1"=with HVIL
"0"=no HVIL

Hole Type

"D", Through Hole
"M"=thread hole
"H"=slot hole
"PM"=Punch Nut

Hole Size

13	2P1000131	1	pc	Nut 5-M8-12I M8*1.25	仅Hole type 为“PM”时用
12	1P2000814	1	pc	PL500A receptacle dust cap	
11	1P1000568	1	pc	PL14mm G2 Seal between plug and rcpt	
10	3P2001245	2	pc	TE HVIL terminal (963715-6) for G2 300A	仅带HVIL时用
9	1P2000632	1	pc	Gen2 PL10mm, Rcpt TPA	仅带HVIL时用
8	6P1053	0.1	m	HST H(2X) Ø 2.0 BK	仅带HVIL时用
7	7P1000284	0.5	m	CbL 600V 20AWG OD1.6mm RE	仅带HVIL时用
6	7P1000283	0.5	m	CbL 600V 20AWG OD1.6mm BK	仅带HVIL时用
5	2P2001353	1	pc	Coil spring for Gen2 500A 1POS Rcpt	
4	2P2001225	1	pc	PwrLok 14mm wave spring for rcpt	
3	See Table 2	1	pc	PL14mm G2 1POS overmolding for rcpt	模具: T10219. "X"表示键位, "XX"表示孔型
2	1P1000341	1	pc	PwrLok 14mm 1POS Gasket	
1	See Table 1	1	pc	Touch Proof Cover 14mm	"XX"代表颜色(OR/BK/YL/GN/RE/BL), 详见“料号信息”
ITEM	PART NUMBER	QTY	UNIT	DESCRIPTION	REMARK

MATERIALS LIST



Amphenol Technical Products International Asia.

第三角投影

THIRD ANGLE PROJECTION

1 OF 2

SHEET

SIZE

REV.

SCALE

F

A4

Angles ±1°

页 面

幅 面

版 次

比 例

PART NAME:

PL500 1Pos Rcpt Lug G2

DWG NO:

PL00X-50X-10XX-2

CUST PART #

N/A

CUST REV.

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1		2		3		4		5		6		7		8	
P/N 料号		Model No. 型号		描述		ITEM 3				REV#		ECN#		REVISIONS	
AC-HA011160		PL00X-500-10M8-2		PwrLok RcptPL00X-500-10M8-2		W00513-X-M8-M				A		--		INITIAL RELEASE	
AC-HA011161		PL00Y-500-10M8-2		PwrLok RcptPL00Y-500-10M8-2		W00513-Y-M8-M				C		ECNG200802		更改高压互锁线料号的描述	
AC-HA011162		PL00U-500-10M8-2		PwrLok RcptPL00U-500-10M8-2		W00513-U-M8-M				D		ECNG210104		Add dust cap, oring and M6 PM8 specifications	
AC-HA011163		PL00V-500-10M8-2		PwrLok RcptPL00V-500-10M8-2		W00513-V-M8-M				E		ECNG211201		Change the temperature of technical points	
AC-HA011164		PL00W-500-10M8-2		PwrLok RcptPL00W-500-10M8-2		W00513-W-M8-M				F		ECNG220106		Add chamfer for hole position	
AC-HA011970		PL00T-500-10M8-2		PwrLok RcptPL00T-500-10M8-2		W00513-T-M8-M									
AC-HA011165		PL00X-500-10M10-2		PwrLok RcptPL00X-500-10M10-2		W00513-X-M10-M									
AC-HA011166		PL00Y-500-10M10-2		PwrLok RcptPL00Y-500-10M10-2		W00513-Y-M10-M									
AC-HA011167		PL00U-500-10M10-2		PwrLok RcptPL00U-500-10M10-2		W00513-U-M10-M									
AC-HA011168		PL00V-500-10M10-2		PwrLok RcptPL00V-500-10M10-2		W00513-V-M10-M									
AC-HA011169		PL00W-500-10M10-2		PwrLok RcptPL00W-500-10M10-2		W00513-W-M10-M									
AC-HA011971		PL00T-500-10M10-2		PwrLok RcptPL00T-500-10M10-2		W00513-T-M10-M									
AC-HA011170		PL00X-500-10D8-2		PwrLok RcptPL00X-500-10D8-2		W00513-X-D8-M									
AC-HA011171		PL00Y-500-10D8-2		PwrLok RcptPL00Y-500-10D8-2		W00513-Y-D8-M									
AC-HA011172		PL00U-500-10D8-2		PwrLok RcptPL00U-500-10D8-2		W00513-U-D8-M									
AC-HA011173		PL00V-500-10D8-2		PwrLok RcptPL00V-500-10D8-2		W00513-V-D8-M									
AC-HA011174		PL00W-500-10D8-2		PwrLok RcptPL00W-500-10D8-2		W00513-W-D8-M									
AC-HA011969		PL00T-500-10D8-2		PwrLok RcptPL00T-500-10D8-2		W00513-T-D8-M									
AC-HA011175		PL00X-500-10D10-2		PwrLok RcptPL00X-500-10D10-2		W00513-X-D10-M									
AC-HA011176		PL00Y-500-10D10-2		PwrLok RcptPL00Y-500-10D10-2		W00513-Y-D10-M									
AC-HA011177		PL00U-500-10D10-2		PwrLok RcptPL00U-500-10D10-2		W00513-U-D10-M									
AC-HA011178		PL00V-500-10D10-2		PwrLok RcptPL00V-500-10D10-2		W00513-V-D10-M									
AC-HA011179		PL00W-500-10D10-2		PwrLok RcptPL00W-500-10D10-2		W00513-W-D10-M									
AC-HA011972		PL00T-500-10D10-2		PwrLok RcptPL00T-500-10D10-2		W00513-T-D10-M									
AC-HA011180		PL00X-501-10M8-2		PwrLok RcptPL00X-501-10M8-2		W00513-X-M8-M									
AC-HA011181		PL00Y-501-10M8-2		PwrLok RcptPL00Y-501-10M8-2		W00513-Y-M8-M									
AC-HA011182		PL00U-501-10M8-2		PwrLok RcptPL00U-501-10M8-2		W00513-U-M8-M									
AC-HA011183		PL00V-501-10M8-2		PwrLok RcptPL00V-501-10M8-2		W00513-V-M8-M									
AC-HA011184		PL00W-501-10M8-2		PwrLok RcptPL00W-501-10M8-2		W00513-W-M8-M									
AC-HA011974		PL00T-501-10M8-2		PwrLok RcptPL00T-501-10M8-2		W00513-T-M8-M									
AC-HA011185		PL00X-501-10M10-2		PwrLok RcptPL00X-501-10M10-2		W00513-X-M10-M									
AC-HA011186		PL00Y-501-10M10-2		PwrLok RcptPL00Y-501-10M10-2		W00513-Y-M10-M									
AC-HA011187		PL00U-501-10M10-2		PwrLok RcptPL00U-501-10M10-2		W00513-U-M10-M									
AC-HA011188		PL00V-501-10M10-2		PwrLok RcptPL00V-501-10M10-2		W00513-V-M10-M									
AC-HA011189		PL00W-501-10M10-2		PwrLok RcptPL00W-501-10M10-2		W00513-W-M10-M									
AC-HA011975		PL00T-501-10M10-2		PwrLok RcptPL00T-501-10M10-2		W00513-T-M10-M									
AC-HA011190		PL00X-501-10D8-2		PwrLok RcptPL00X-501-10D8-2		W00513-X-D8-M									
AC-HA011191		PL00Y-501-10D8-2		PwrLok RcptPL00Y-501-10D8-2		W00513-Y-D8-M									
AC-HA011192		PL00U-501-10D8-2		PwrLok RcptPL00U-501-10D8-2		W00513-U-D8-M									
AC-HA011193		PL00V-501-10D8-2		PwrLok RcptPL00V-501-10D8-2		W00513-V-D8-M									
AC-HA011194		PL00W-501-10D8-2		PwrLok RcptPL00W-501-10D8-2		W00513-W-D8-M									
AC-HA011973		PL00T-501-10D8-2		PwrLok RcptPL00T-501-10D8-2		W00513-T-D8-M									
AC-HA011195		PL00X-501-10D10-2		PwrLok RcptPL00X-501-10D10-2		W00513-X-D10-M									
AC-HA011196		PL00Y-501-10D10-2		PwrLok RcptPL00Y-501-10D10-2		W00513-Y-D10-M									
AC-HA011197		PL00U-501-10D10-2		PwrLok RcptPL00U-501-10D10-2		W00513-U-D10-M									
AC-HA011198		PL00V-501-10D10-2		PwrLok RcptPL00V-501-10D10-2		W00513-V-D10-M									
AC-HA011199		PL00W-501-10D10-2		PwrLok RcptPL00W-501-10D10-2		W00513-W-D10-M									
AC-HA011976		PL00T-501-10D10-2		PwrLok RcptPL00T-501-10D10-2		W00513-T-D10-M									
1		2		3		4		5		6		7		8	

P/N 料号	
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