

Customer Drawing

Amphenol TPI
2019-12-16
REGISTERED COPY

Notices:

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

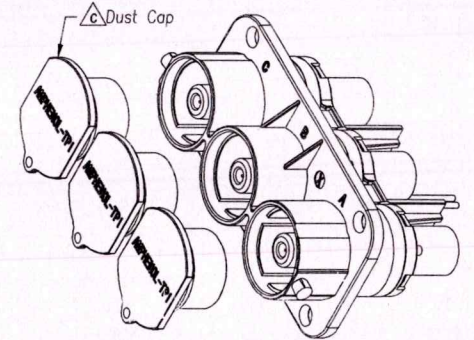
规格参数 (Spec.):

1. 工作温度 Operating temperature:
-40° C ~ +125° C.
2. 带高压互锁 Electrical interlock (HVIL).
3. 额定电流 Current rating:
35mm²:150A; 50mm²:200A; 70mm²:250A. HVIL: 5A.
4. 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
5. 耐电压 Dielectric withstanding voltage:
 - A. 与插头对插后, Pin与铁壳之间
After mating, between pin and metal shell :5000 VDC.
 - B. 与插头对插后, Pin与HVIL之间
After mating, between pin and HVIL :5000 VDC.
 - C. 与插头对插后, HVIL与铁壳之间
After mating, between HVIL and metal shell :500 VDC.
 - D. 与插头对插前, 两个HVIL端子之间耐压
Before mating, between two HVIL terminals :500 VDC.
6. 防护等级 Protection class: 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. 推荐法兰盘螺丝安装扭矩 Recommended Screw Assembly Torque on Flange : 6.2~7.6 Nm

订购信息 Ordering Information

PL083 X - 30 1 - 30 D 70	
键位及颜色 Key	高压互锁 HVIL
"X" Key	0, 不带互锁 No HVIL
"Y" Key	1, 带互锁 With HVIL
线缆尺寸 Cable Size	
"70"=70mm ²	
"50"=50mm ²	
"35"=35mm ²	

REVISIONS					
REV	ZONE	ECO	DESCRIPTION	DATE	BY APPR
A	--	--	INITIAL RELEASE	01/06/15	RW EC
B	--	--	Add Protection Class: IP2X	05/05/15	RW EC
C	--	--	Add Dust Cap & Change HVIL Wire, Update Spec.	03/29/16	RW TS
D	--	--	Change Shell and Gasket	05/10/17	Sarn Julie
E	--	--	Update Spec.	12/11/19	Steven JL



Standard Part List (With HVIL)

P/N	Model NO.	Mating Plug Model NO.	Dimension "A"
AC-HA001572	PL083X-301-30D35	PL183X-301-XX, PL283X-301-XX	36.4
AC-HA001573	PL083Y-301-30D35	PL183Y-301-XX, PL283Y-301-XX	36.4
AC-HA001574	PL083X-301-30D50	PL183X-301-XX, PL283X-301-XX	39.4
AC-HA001575	PL083Y-301-30D50	PL183Y-301-XX, PL283Y-301-XX	39.4
AC-HA001576	PL083X-301-30D70	PL183X-301-XX, PL283X-301-XX	39.4
AC-HA001577	PL083Y-301-30D70	PL183Y-301-XX, PL283Y-301-XX	39.4

Standard Part List (With Out HVIL)

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AC-HA001578	PL083X-300-30D35	PL183X-300-XX, PL283X-300-XX	36.4
AC-HA001579	PL083Y-300-30D35	PL183Y-300-XX, PL283Y-300-XX	36.4
AC-HA001580	PL083X-300-30D50	PL183X-300-XX, PL283X-300-XX	39.4
AC-HA001581	PL083Y-300-30D50	PL183Y-300-XX, PL283Y-300-XX	39.4
AC-HA001582	PL083X-300-30D70	PL183X-300-XX, PL283X-300-XX	39.4
AC-HA001583	PL083Y-300-30D70	PL183Y-300-XX, PL283Y-300-XX	39.4



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 1	A3	E		PwrLok 10mm 3POS Rept Conn
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:
制图 DRAWN Steven	12/11/19	1) All dimensions are in metric (mm).			PL083-300-30
审核 CHECKED	12/11/19	2) Tolerances are as follows:			CUST PART #:
批准 APPROVAL	12/11/19	0 PL DEC ±1.00			N/A
		1 PL DEC ±0.50			CUST REV.
		2 PL DEC ±0.20			-

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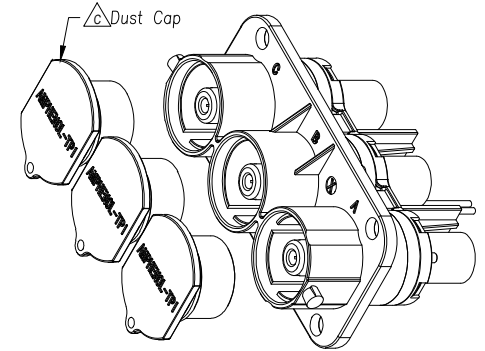
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		"35"=35mm ²

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AMPHENOL
TP

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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 10mm 3POS Rept Conn

签名 SIGNATURE

日期 DATE

UNLESS OTHERWISE SPECIFIED

制图 DRAWN

Steven

12/11/19

审核 CHECKED

YM

12/11/19

批准 APPROVAL

JL

12/11/19

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 ±1°

DWG NO:

PL083-300-30

CUST PART #:

N/A

CUST REV.

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