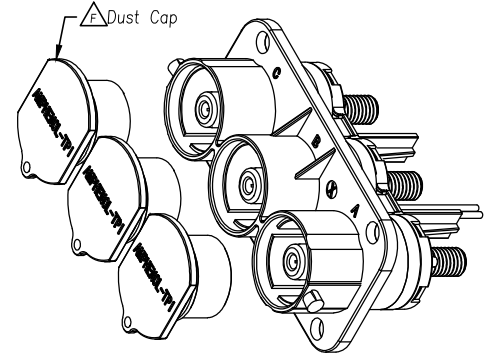
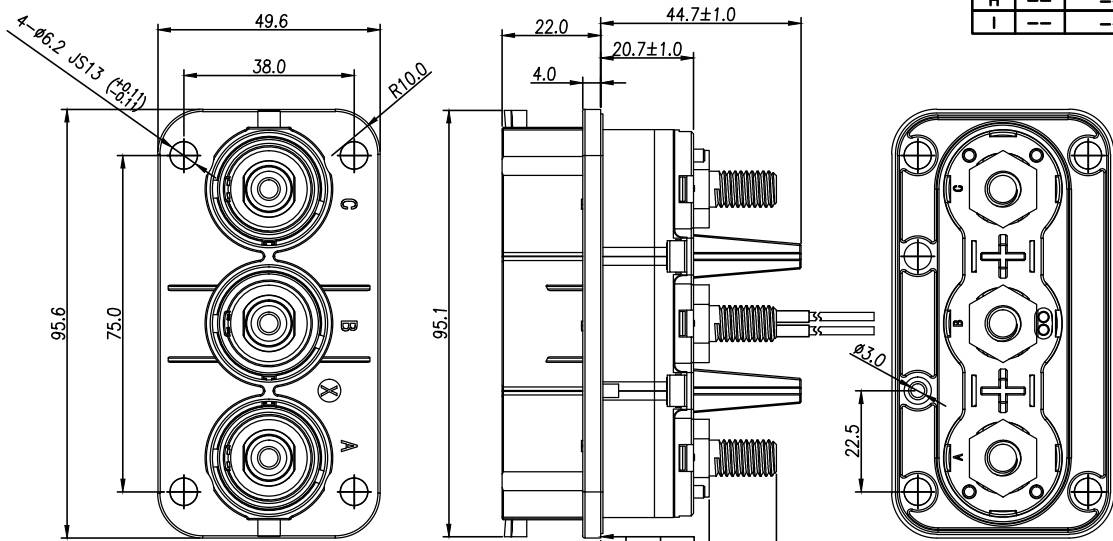


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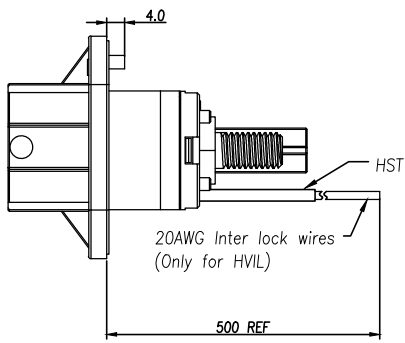
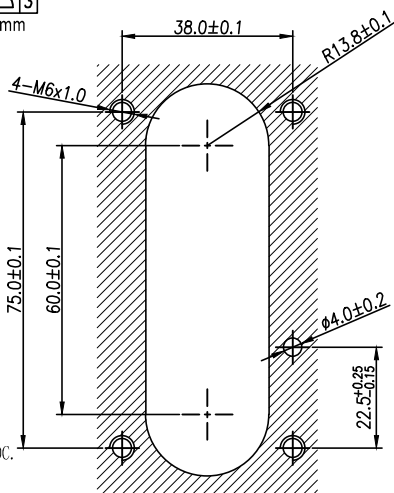
Customer Drawing

| REVISIONS | | | | | | |
|-----------|------|-----|---|----------|-----|-------|
| REV | ZONE | ECO | DESCRIPTION | DATE | BY | APPR |
| A | -- | -- | INITIAL RELEASE | 05/21/14 | RW | EC |
| F | -- | -- | Add Dust Cap & Change HVIL Wire, Update Spec. | 03/29/16 | RW | TS |
| H | -- | -- | Add Geometric Tolerance of Flange & Panel | 10/21/16 | RW | PL |
| I | -- | -- | Change Shell and Gasket | 05/10/17 | Sam | Julie |



- Notices:
- All non-dimensioned surfaces according to 3D-model & $\sqrt{0.3}$
 - Planeness of panel surface should be less than or equal to 0.1mm
 - Roughness of panel surface should be $\sqrt{1}$ or better.
 - Thickness of panel should not exceed 12mm.

- 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:
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.



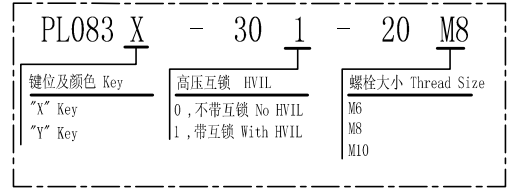
Standard Part List (With HVIL)

| P/N | Model NO. | Mating Plug Model NO. |
|-------------|------------------|------------------------------|
| AC-HA001511 | PL083X-301-20M8 | PL183X-301-XX, PL283X-301-XX |
| AC-HA001512 | PL083Y-301-20M8 | PL183Y-301-XX, PL283Y-301-XX |
| AC-HA002449 | PL083X-301-20M6 | PL183X-301-XX, PL283X-301-XX |
| AC-HA002450 | PL083Y-301-20M6 | PL183Y-301-XX, PL283Y-301-XX |
| AC-HA002531 | PL083X-301-20M10 | PL183X-301-XX, PL283X-301-XX |
| AC-HA002532 | PL083Y-301-20M10 | PL183Y-301-XX, PL283Y-301-XX |

Standard Part List (Without HVIL)

| P/N | Model NO. | Mating Plug Model NO. |
|-------------|------------------|------------------------------|
| AC-HA001513 | PL083X-300-20M8 | PL183X-300-XX, PL283X-300-XX |
| AC-HA001514 | PL083Y-300-20M8 | PL183Y-300-XX, PL283Y-300-XX |
| AC-HA002451 | PL083X-300-20M6 | PL183X-300-XX, PL283X-300-XX |
| AC-HA002452 | PL083Y-300-20M6 | PL183Y-300-XX, PL283Y-300-XX |
| AC-HA002533 | PL083X-300-20M10 | PL183X-300-XX, PL283X-300-XX |
| AC-HA002534 | PL083Y-300-20M10 | PL183Y-300-XX, PL283Y-300-XX |

订购信息 Ordering Information



- 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

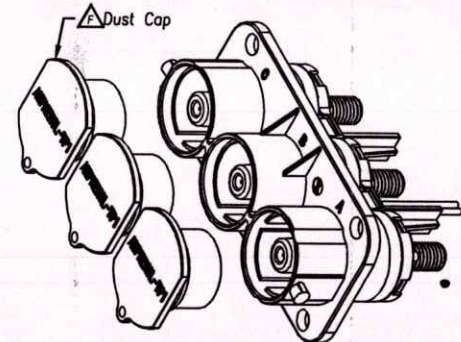
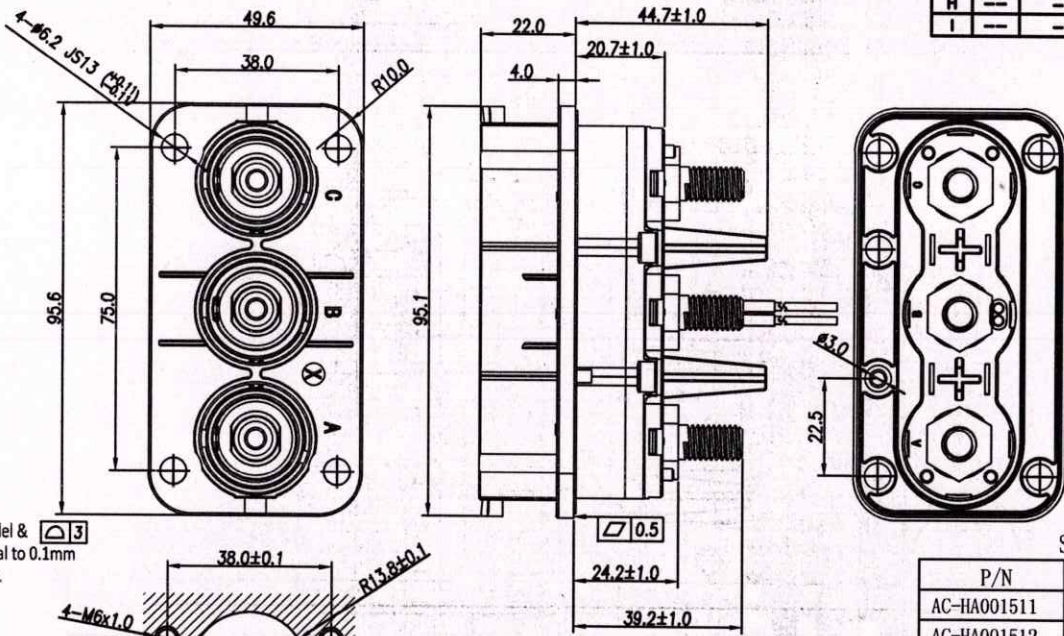
| | | | | | | | |
|--------------|--|--|-------------|--|------------|--|-------------------------|
| | | Amphenol Technical Products International GZ | | | | PART NAME: PwrLok 10mm 3POS Rcpt Conn | |
| | | 第三角投影 THIRD ANGLE PROJECTION | 页面 SHEET | 幅面 SIZE | 版次 REV. | 比例 SCALE | DWG NO: PL083-300-20 |
| 签名 SIGNATURE | | 日期 DATE | | UNLESS OTHERWISE SPECIFIED | | CUST PART #: N/A | |
| 制图 DRAWN | | 05/10/17 | | 1) All dimensions are in metric (mm). 2) Tolerances are as follows: | | CUST REV. - | |
| 审核 CHECKED | | 05/10/17 | | 0 PL DEC ±1.00 1 PL DEC ±0.50 2 PL DEC ±0.20 | | | |
| 批准 APPROVAL | | 05/10/17 | | Angles ±1° | | | |

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Customer Drawing

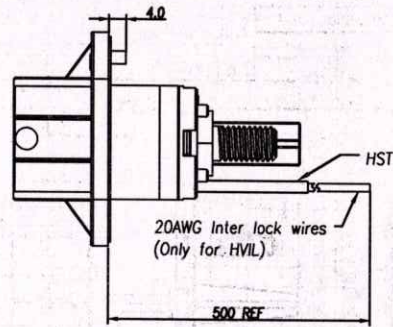
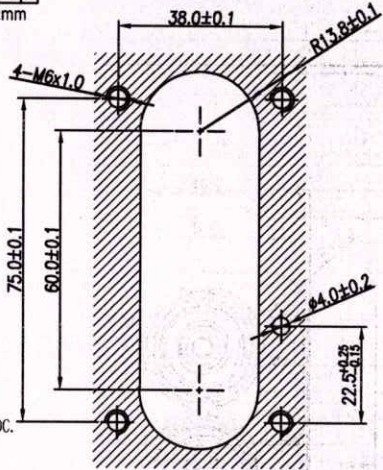
Amphenol TPI
2018-08-22
REGISTERED COPY

| REVISIONS | | | | | |
|-----------|------|-----|---|----------|-----------|
| REV | ZONE | ECO | DESCRIPTION | DATE | BY APPR |
| A | --- | --- | INITIAL RELEASE | 05/21/14 | RW EC |
| F | --- | --- | Add Dust Cap & Change HVIL Wire, Update Spec. | 03/29/16 | RW TS |
| H | --- | --- | Add Geometric Tolerance of Flange & Panel | 10/21/16 | RW PL |
| I | --- | --- | Change Shell and Gasket | 05/10/17 | Sam Julie |



- 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.
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- 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: 50 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



Standard Part List (With HVIL)

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| AC-HA002531 | PL083X-301-20M10 | PL183X-301-XX, PL283X-301-XX |
| AC-HA002532 | PL083Y-301-20M10 | PL183Y-301-XX, PL283Y-301-XX |

Standard Part List (Without HVIL)

| P/N | Model NO. | Mating Plug Model NO. |
|-------------|------------------|------------------------------|
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| AC-HA001514 | PL083Y-300-20M8 | PL183Y-300-XX, PL283Y-300-XX |
| AC-HA002451 | PL083X-300-20M6 | PL183X-300-XX, PL283X-300-XX |
| AC-HA002452 | PL083Y-300-20M6 | PL183Y-300-XX, PL283Y-300-XX |
| AC-HA002533 | PL083X-300-20M10 | PL183X-300-XX, PL283X-300-XX |
| AC-HA002534 | PL083Y-300-20M10 | PL183Y-300-XX, PL283Y-300-XX |

订购信息 Ordering Information

PL083 X - 30 1 - 20 M8

| | | |
|-----------|------------------|------------------|
| 键位及颜色 Key | 高压互锁 HVIL | 螺栓大小 Thread Size |
| "X" Key | 0, 不带互锁 No HVIL | M6 |
| "Y" Key | 1, 带互锁 With HVIL | MR |
| | | M10 |

AMPHENOL TPI Amphenol Technical Products International GZ

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

1 or 1 A3 1

UNLESS OTHERWISE SPECIFIED:
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 ±0.30 Angles ±1°

日期 DATE: 05/10/17
制图 DRAWN: Sam
审核 CHECKED: Jia
批准 APPROVAL: Wu

图号: PL083-300-20
客户零件号: N/A

Fred 520882 2018.8.21

单击下面可查看定价，库存，交付和生命周期等信息

[>>Amphenol\(安费诺\)](#)