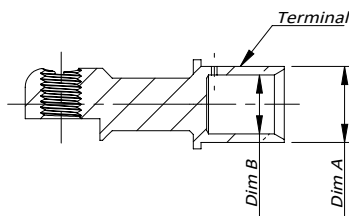
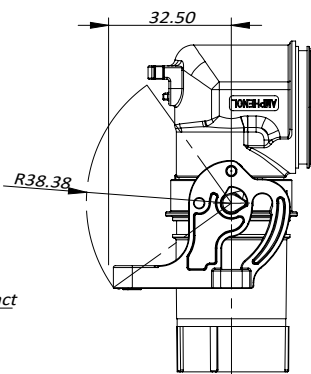
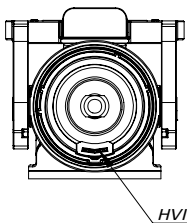
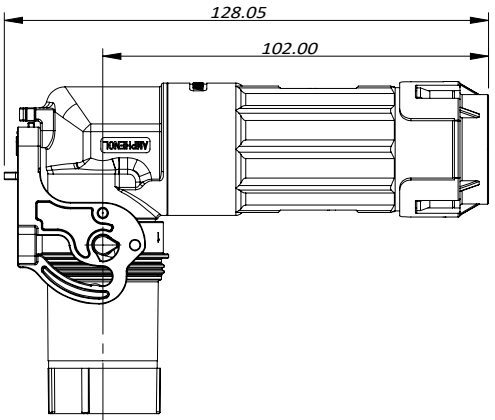
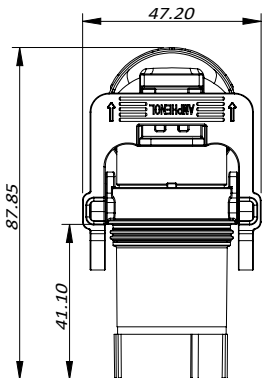
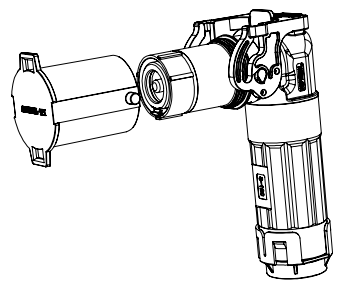


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CUSTOMER DRAWING



| REVISIONS | | | | | |
|-----------|------|---|---------|----------|------------|
| REV# | ECN# | REVISION ACTION | REV.BY: | APPR.BY: | DATE |
| A | -- | INITIAL RELEASE | Jack | James | 03/31/2020 |
| B | -- | 增加表格信息 | Star | James | 10/29/2020 |
| C | -- | Add Dust Cap And Protection Cap | Star | James | 12/30/2020 |
| D | -- | Change the temperature of technical points and remove HVIL Protection Cap | Star | JL | 12/03/2021 |
| E | -- | Change operating temperature, voltage, add HVIL protection cap | JS | JL | 08/11/2022 |
| F | -- | Change dielectric withstanding voltage | JS | JL | 03/01/2023 |

订购信息 Ordering Information

PL28 X - 50 1 - 95 - 2 - 5

| Key and Color | HVIL | Cable size: | Cable Type: |
|---------------|----------------|--------------------------|--------------------|
| "X", Orange | "0", NO HVIL | "70"=70mm ² | "-5", Huber+Suhner |
| "Y", Black | "1", With HVIL | "95"=95mm ² | |
| "U", Yellow | | "120"=120mm ² | |
| "V", Green | | | |
| "W", Red | | | |
| "T", Blue | | | |

规格参数(Spec.):

- 工作温度 Operating temperature: -40°C ~ +125°C. △ E
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:
Power: 70mm², 250A; 95mm², 300A; 120mm², 400A; HVIL: 5A.
- 额定电压 Operating voltage:
Power: 1500 VDC; Signal: 60 VDC. △ E
- 耐电压 Dielectric withstanding voltage:
 - 与插座对插后, Pin与铁壳之间
When mated, between pin and metal shell: 8000 VDC. △ F
 - 与插座对插后, Pin与HVIL之间
When mated, between pin and HVIL: 8000 VDC. △ F
 - 与插座对插后, HVIL与铁壳之间
When mated, between HVIL and metal shell: 500 VDC.
 - 与插座对插前, 两个HVIL端子之间耐压
Before mating, between two HVIL terminals: 500 VDC.
- 防护等级 Protection class: Mated-IP6k9k & IP67, unmated-IP2X.
- 电磁屏蔽 360° full Shielding.
- 机械寿命 Mating cycle: 100 Min.
- 带CPA的摇杆系统 Latch system with CPA.
- 绝缘材料满足UL94 V-0 Inner insulation material satisfy UL94V-0.
- 镀灰锌/锌镍合金, 符合RoHS, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi)Plating. RoHS compliant, Rated at 500hours salt spray.
- 对配插座型号: Model of mating receptacle: PL00(X)-50(X)-10(XX)-2.
- 产品满足RoHS和Reach要求. RoHS and Reach compliant. △ E
- 绝缘体为140°RTI材料. The insulators are 140° RTI material. △ E

Standard Part List:

| Model No. | H+S Part No. | Dia. Primary Insulation(mm) | Dia. of Screen max. (mm) | Overall-Dia. Nominal(mm) | Outside-Dia. of terminal(mm): "A" | Inside-Dia. of terminal(mm): "B" |
|---------------------|--------------|-----------------------------|--------------------------|--------------------------|-----------------------------------|----------------------------------|
| PL28(X)-50X-70-2-5 | 84100298 | 13.7±0.3 | 14.6 | 17.0±0.3 | 16.7±0.3 | 12.2±0.3 |
| PL28(X)-50X-95-2-5 | 84100299 | 16.2±0.3 | 17.3 | 19.9±0.4 | 17.9±0.3 | 13.9±0.3 |
| PL28(X)-50X-120-2-5 | 84103410 | 18.0±0.3 | 19.1 | 22.6±0.4 | 20.1±0.3 | 15.6±0.3 |

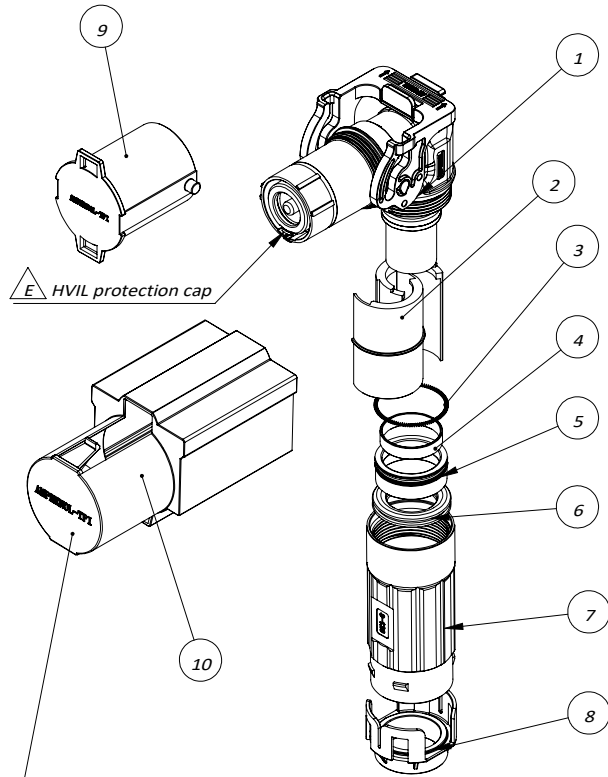
Amphenol Technical Products International Asia.

| | | | | | |
|---|--|------------------|-----------------|------------------|---|
| 第三角投影 THIRD ANGLE PROJECTION | 页面 SHEET 1 OF 2 | 幅面 SIZE A4 | 版次 REV. F | 比例 SCALE | PART NAME: PL14mm G2 Right Angle Plug |
| 签名 SIGNATURE 日期 DATE 制图 DRAWN July.su 03/01/2023 审核 CHECKED 批准 APPROVAL | 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: PL28X-50X-XX-2-5 | | | | | |
| CUST PART # | | | | CUST REV. | |

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

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------|-----------------|------------------|---|---|-----------|------|---|
| 型号 Model | Kit Package P/N | Bulk Package P/N | | | REVISIONS | | |
| PL28X-501-95-2-5 | AC-HA011945 | AC-HA011945-2 | | | REV# | ECN# | REVISION ACTION |
| PL28Y-501-95-2-5 | AC-HA011946 | AC-HA011946-2 | | | A | -- | INITIAL RELEASE |
| PL28U-501-95-2-5 | AC-HA011947 | AC-HA011947-2 | | | B | -- | 增加表格信息 |
| PL28V-501-95-2-5 | AC-HA011948 | AC-HA011948-2 | | | C | -- | Add Dust Cap And Protection Cap |
| PL28W-501-95-2-5 | AC-HA011949 | AC-HA011949-2 | | | D | -- | Change the temperature of technical points and remove HVIL Protection Cap |
| PL28T-501-95-2-5 | AC-HA011950 | AC-HA011950-2 | | | E | -- | Change operating temperature, voltage, add HVIL protection cap |
| PL28X-500-95-2-5 | AC-HA011951 | AC-HA011951-2 | | | F | -- | Change dielectric withstanding voltage |
| PL28Y-500-95-2-5 | AC-HA011952 | AC-HA011952-2 | | | | | |
| PL28U-500-95-2-5 | AC-HA011953 | AC-HA011953-2 | | | | | |
| PL28V-500-95-2-5 | AC-HA011954 | AC-HA011954-2 | | | | | |
| PL28W-500-95-2-5 | AC-HA011955 | AC-HA011955-2 | | | | | |
| PL28T-500-95-2-5 | AC-HA011956 | AC-HA011956-2 | | | | | |
| PL28X-501-120-2-5 | AC-HA011957 | AC-HA011957-2 | | | | | |
| PL28Y-501-120-2-5 | AC-HA011958 | AC-HA011958-2 | | | | | |
| PL28U-501-120-2-5 | AC-HA011959 | AC-HA011959-2 | | | | | |
| PL28V-501-120-2-5 | AC-HA011960 | AC-HA011960-2 | | | | | |
| PL28W-501-120-2-5 | AC-HA011961 | AC-HA011961-2 | | | | | |
| PL28T-501-120-2-5 | AC-HA011962 | AC-HA011962-2 | | | | | |
| PL28X-500-120-2-5 | AC-HA011963 | AC-HA011963-2 | | | | | |
| PL28Y-500-120-2-5 | AC-HA011964 | AC-HA011964-2 | | | | | |
| PL28U-500-120-2-5 | AC-HA011965 | AC-HA011965-2 | | | | | |
| PL28V-500-120-2-5 | AC-HA011966 | AC-HA011966-2 | | | | | |
| PL28W-500-120-2-5 | AC-HA011967 | AC-HA011967-2 | | | | | |
| PL28T-500-120-2-5 | AC-HA011968 | AC-HA011968-2 | | | | | |
| PL28X-501-70-2-5 | AC-HA012906 | AC-HA012906-2 | | | | | |
| PL28Y-501-70-2-5 | AC-HA012907 | AC-HA012907-2 | | | | | |
| PL28U-501-70-2-5 | AC-HA012908 | AC-HA012908-2 | | | | | |
| PL28V-501-70-2-5 | AC-HA012909 | AC-HA012909-2 | | | | | |
| PL28W-501-70-2-5 | AC-HA012910 | AC-HA012910-2 | | | | | |
| PL28T-501-70-2-5 | AC-HA012911 | AC-HA012911-2 | | | | | |
| PL28X-500-70-2-5 | AC-HA012912 | AC-HA012912-2 | | | | | |
| PL28Y-500-70-2-5 | AC-HA012913 | AC-HA012913-2 | | | | | |
| PL28U-500-70-2-5 | AC-HA012914 | AC-HA012914-2 | | | | | |
| PL28V-500-70-2-5 | AC-HA012915 | AC-HA012915-2 | | | | | |
| PL28W-500-70-2-5 | AC-HA012916 | AC-HA012916-2 | | | | | |
| PL28T-500-70-2-5 | AC-HA012917 | AC-HA012917-2 | | | | | |



Note: Optional to be ordered separately

| ITEM | DESCRIPTION | QTY | REMARK |
|----------------|---|-----|---|
| 10 | PL500 G2 1 POS plug protection cap | 1 | Order P/N AC-CP001600 |
| 9 | PL500 G2 Dust cover for Plug | 1 | |
| 8 | PL500 G2 R/A Tail Cap H+S cable | 1 | Different P/N are used according to different Cable sizes |
| 7 | PL500 G2 Back Shell 14mm-90 | 1 | Different P/N are used according to different Cable sizes |
| 6 | PL500 G2 cale sealing | 1 | Different P/N are used according to different Cable sizes |
| 5 | PL500 G2 Outer Copper Ring for R/A Plug | 1 | Different P/N are used according to different Cable sizes |
| 4 | PL500 G2 Inner Copper Ring | 1 | Different P/N are used according to different Cable sizes |
| 3 | PL500 G2 Canted Coil Spring for Plug | 1 | |
| 2 | PL500 G2 Plastic set | 2 | |
| 1 | PL500 G2 Front Shell 14mm-90 Assy | 1 | Different P/N are used according to different Cable sizes |
| MATERIALS LIST | | | |



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: |
|---|-------------|------------|------------|-------------|-----------------------------|
| | 2 OF 2 | A4 | F | | PL14mm G2 Right Angle Plug |
| 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 | | | | | DWG NO: PL28X-50X-XX-2-5 |
| | | | | | CUST PART # |
| | | | | | CUST REV. |

| Key Characteristics Contact | Amphenol for Latest Definition | Critical 关键特性 | Significant 重要性 |
|-----------------------------|--------------------------------|---------------|-----------------|
| 签名 SIGNATURE | 日期 DATE | 制图 DRAWN | 审核 CHECKED |
| | July.su | 03/01/2023 | |
| | | 批准 APPROVAL | |