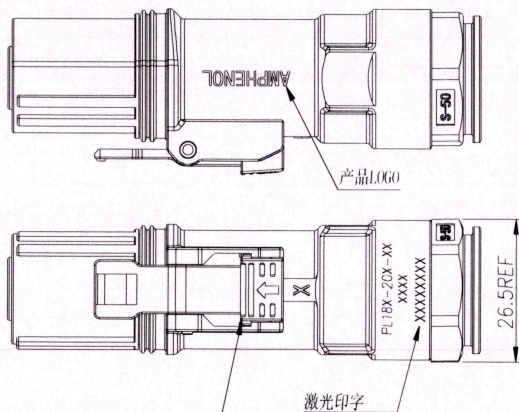
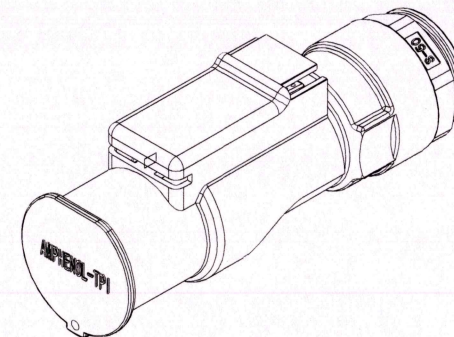


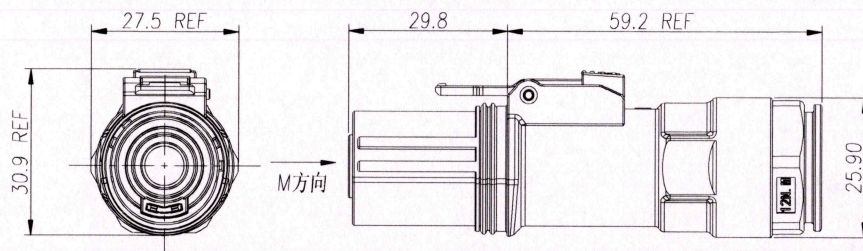
Customer Drawing



Amphenol TPI
2021-04-21
REGISTERED COPY



按键颜色见“订购信息”
The color of press key see “Ordering Information”



订购信息 Ordering Information

PL18	X	-	20	1	-	50
键位及颜色 Key & Color			高压互锁 HVIL		线缆大小 Cable Size	
“X”, 橙色 Orange			0, 不带互锁 No HVIL		“50”=50mm ²	
“V”, 黑色 Black			1, 带互锁 With HVIL		“35”=35mm ²	
“U”, 黄色 Yellow					“25”=25mm ²	
“V”, 绿色 Green						
“W”, 红色 Red						

规格参数 (Spec.):

1. 工作温度 Operating temperature: -40° C~+125° C.
2. 额定电流 Current rating (Connector Only):
25mm²:120 A; 35mm²:150 A; 50mm²:200 A.
3. 额定电压 Operating voltage:1000 VDC.
4. 耐电压 Dielectric withstanding voltage: 5000 VDC.
5. 防护等级 Protection class:IP67 & IP2X.
6. 电磁屏蔽 Shielding.
7. 机械寿命 Mating cycle:100 Min.
8. 带自动二次锁扣 Automatic secondary lock.
9. 带高压互锁 Electrical interlock (HVIL).
10. 配对插座 Mating receptacle : See drawing “PL00-200”

REVISIONS					
REV	ZONE	ECO	DESCRIPTION	DATE	BY APPR
A	--	--	INITIAL RELEASE	07/14/15	RW EC
B	--	--	修改尾盖结构	10/12/18	Fred JL
C	--	--	增加label	07/22/20	Steven JL
D	--	--	修改视图错误	11/30/20	Steven JL
E	--	--	更改防盖盖	04/15/21	Steven JL

Standard Part List (With HVIL)

P/N	Accepted Wire OD
PL18X-201-25	13.5±0.3
PL18Y-201-25	
PL18U-201-25	
PL18V-201-25	
PL18W-201-25	
PL18X-201-35	14.5±0.5
PL18Y-201-35	
PL18U-201-35	
PL18V-201-35	
PL18W-201-35	
PL18X-201-50	17.0±0.5
PL18Y-201-50	
PL18U-201-50	
PL18V-201-50	
PL18W-201-50	

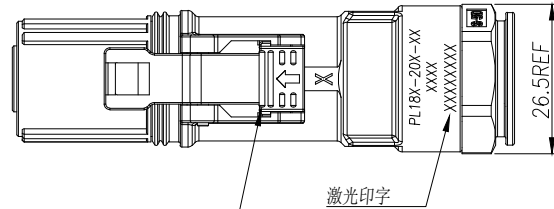
Standard Part List (Without HVIL)

P/N	Accepted Wire OD
PL18X-200-25	13.5±0.3
PL18Y-200-25	
PL18U-200-25	
PL18V-200-25	
PL18W-200-25	
PL18X-200-35	14.5±0.5
PL18Y-200-35	
PL18U-200-35	
PL18V-200-35	
PL18W-200-35	
PL18X-200-50	17.0±0.5
PL18Y-200-50	
PL18U-200-50	
PL18V-200-50	
PL18W-200-50	



Amphenol Technical Products International GZ

第三角投影 THIRD ANGLE PROJECTION		1 OF 1	A3	E	PART NAME: PowerLok 8mm 1POS Plug Assy
签名 SIGNATURE		日期 DATE	UNLESS OTHERWISE SPECIFIED		
制图 DRAWN		Steven	1) All dimensions are in metric (mm).		
审核 CHECKED			2) Tolerances are as follows:		
批准 APPROVAL		2021.04.20	0 PL DEC ±1.00		
			1 PL DEC ±0.50		
			2 PL DEC ±0.20		
			Angles ±1°		
			DWC NO: PL18-200		
			CUST PART #: N/A		
			CUST REV: -		



Technical drawing of the 120mm model showing front and side views with dimensions:

- Front view dimensions: 27.5 REF (width), 30.9 REF (height).
- Side view dimensions: 29.8 (width of the main body), 59.2 REF (total length), 25.90 (height of the main body).
- Directional label: M方向 (M direction) with an arrow pointing right.

PL18 X - 20 1 - 50

1. 工作温度 Operating temperature: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.
2. 额定电流 Current rating(Connector Only):
25mm²:120 A;35mm²:150 A;50mm²:200 A.
3. 额定电压 Operating voltage:1000 VDC.
4. 耐电压 Dielectric withstanding voltage: 5000 VDC.
5. 防护等级 Protection class:IP67 & IP2X.
6. 电磁屏蔽 Shielding.
7. 机械寿命 Mating cycle:100 Min.
8. 带自动二次锁扣 Automatic secondary lock.
9. 带高压互锁 Electrical interlock (HVIL).
10. 配对插座 Mating receptacle : See drawing "PL00-200"

"X", 橙色 Orange
"Y", 黑色 Black
"U", 黄色 Yellow
"V", 绿色 Green
"W", 红色 Red

高压互锁	HVIL
0, 不带互锁	No HVIL
1, 带互锁	With HVIL

线缆大小 Cable Size
"50"=50mm ²
"35"=35mm ²
"25"=25mm ²

P/N	Accepted Wire OD
PL18X-201-25	13.5 $\pm$ 0.3
PL18Y-201-25	
PL18U-201-25	
PL18V-201-25	
PL18W-201-25	
PL18X-201-35	14.5 $\pm$ 0.5
PL18Y-201-35	
PL18U-201-35	
PL18V-201-35	
PL18W-201-35	
PL18X-201-50	17.0 $\pm$ 0.5
PL18Y-201-50	
PL18U-201-50	
PL18V-201-50	
PL18W-201-50	

P/N	Accepted Wire OD
PL18X-200-25	13.5±0.3
PL18Y-200-25	
PL18U-200-25	
PL18V-200-25	
PL18W-200-25	
PL18X-200-35	14.5±0.5
PL18Y-200-35	
PL18U-200-35	
PL18V-200-35	
PL18W-200-35	
PL18X-200-50	17.0±0.5
PL18Y-200-50	
PL18U-200-50	
PL18V-200-50	
PL18W-200-50	

		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:		
			1 OF 1	A3	E		PowerLok 8mm 1POS Plug Assy		
		签 名 SIGNATURE 制 图 DRAWN Steven 审 核 CHECKED 批 准 APPROVAL					日期 DATE 04/15/21	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 ±0.20 Angles ±1°	
					DWG NO:		PL18-200		
					CUST PART #:		N/A	CUST REV. -	