

THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.

Customer Drawing

Amphenol TPI
2022-02-23
REGISTERED COPY

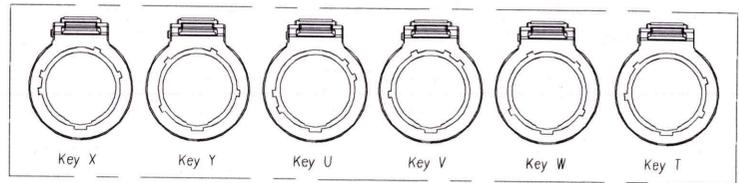
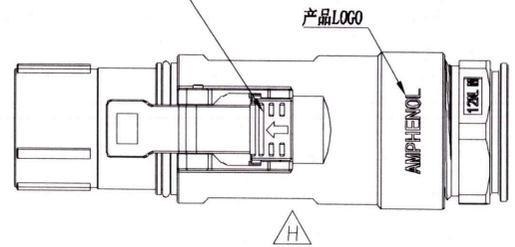
REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	---	---	Add P/N List	06/20/14	RW	EC
E	---	---	Rear nut increase 1mm, reduced inner diameter	09/08/15	RW	GX
F	---	---	Change back shell	09/29/16	RW	TS
G	---	---	Add rotating current	08/23/18	Fred	JL
H	---	---	Update Model	06/18/19	Steven	JL
I	---	---	Update Spec.	08/14/19	Fred	JL
J	---	---	Add Key View in M direction	02/22/22	Clay	JL

订购信息 Ordering Information

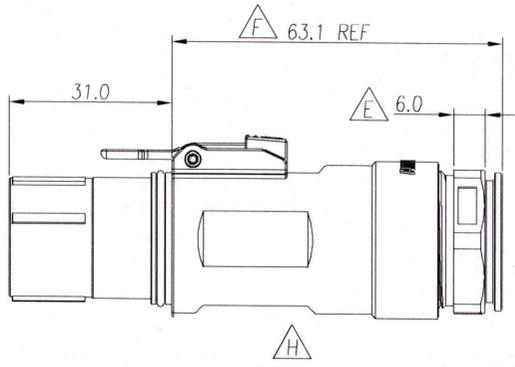
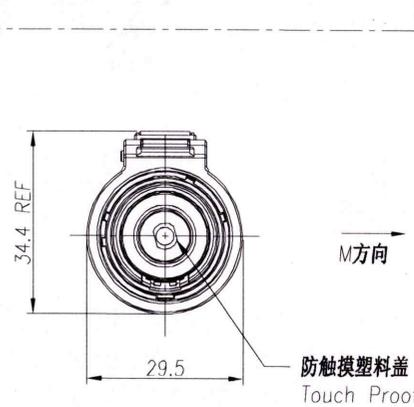
PL18 X - 30 1 - 70

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	"70"=70mm ²
"Y", 黑色 Black	1, 带互锁 With HVIL	"50"=50mm ²
"U", 黄色 Yellow		"35"=35mm ²
"V", 绿色 Green		
"W", 红色 Red		
"T", 蓝色 Blue		

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



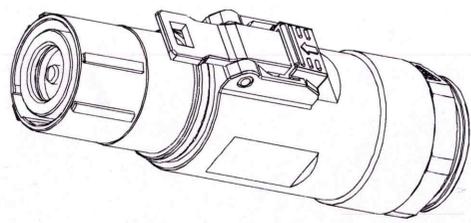
M方向键位示意图
Key View in M direction



P/N	Model NO.	Accepted Wire OD
AC-HA000815	PL18X-301-35	14.5±0.5
AC-HA000816	PL18Y-301-35	
AC-HA000817	PL18U-301-35	
AC-HA000818	PL18V-301-35	
AC-HA000819	PL18W-301-35	
AC-HA001283	PL18T-301-35	17.0±0.5
AC-HA000820	PL18X-301-50	
AC-HA000821	PL18Y-301-50	
AC-HA000822	PL18U-301-50	
AC-HA000823	PL18V-301-50	
AC-HA000824	PL18W-301-50	19.5±0.5
AC-HA001284	PL18T-301-50	
AC-HA000825	PL18X-301-70	
AC-HA000826	PL18Y-301-70	
AC-HA000827	PL18U-301-70	
AC-HA000828	PL18V-301-70	19.5±0.5
AC-HA000829	PL18W-301-70	
AC-HA001285	PL18T-301-70	

P/N	Model NO.	Accepted Wire OD
AC-HA000830	PL18X-300-35	14.5±0.5
AC-HA000831	PL18Y-300-35	
AC-HA000832	PL18U-300-35	
AC-HA000833	PL18V-300-35	
AC-HA000834	PL18W-300-35	
AC-HA001286	PL18T-300-35	17.0±0.5
AC-HA000835	PL18X-300-50	
AC-HA000836	PL18Y-300-50	
AC-HA000837	PL18U-300-50	
AC-HA000838	PL18V-300-50	
AC-HA000839	PL18W-300-50	19.5±0.5
AC-HA001287	PL18T-300-50	
AC-HA000840	PL18X-300-70	
AC-HA000841	PL18Y-300-70	
AC-HA000842	PL18U-300-70	
AC-HA000843	PL18V-300-70	19.5±0.5
AC-HA000844	PL18W-300-70	
AC-HA001288	PL18T-300-70	

- 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):
35mm²:150A; 50mm²:200A; 70mm²:250A.
 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 "PL00-300"



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: PowerLok 10mm IPOS Plug Assy	DWG NO: PL18-300
签名 SIGNATURE: Clay		日期 DATE: 02/22/22		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		
制图 DRAWN: Clay		审核 CHECKED: James		CUST PART #: N/A		
批准 APPROVAL: James		批注:		CUST REV:		

Key Characteristics Contact Amphenol for Latest Definition

Critical 关键特性

Significant 重要特性

THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.

Customer Drawing

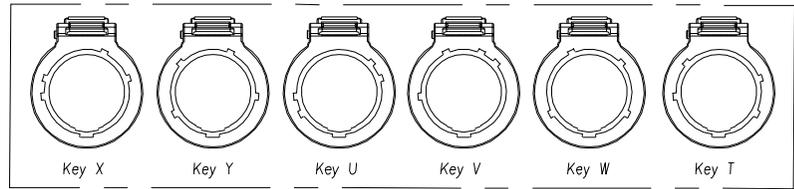
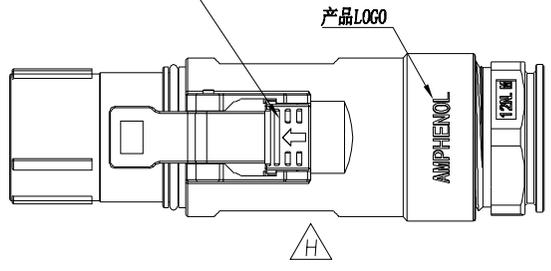
REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	---	---	Add P/N List	06/20/14	RW	EC
E	---	---	Rear nut increase 1mm, reduced inner diameter	09/08/15	RW	GX
F	---	---	Change back shell	09/29/16	RW	TS
G	---	---	Add rating current	08/23/18	Fred	JL
H	---	---	Update Model	06/18/19	Steven	JL
I	---	---	Update Spec.	08/14/19	Fred	JL
J	---	---	Add Key View in M direction	02/22/22	Clay	JL

订购信息 Ordering Information

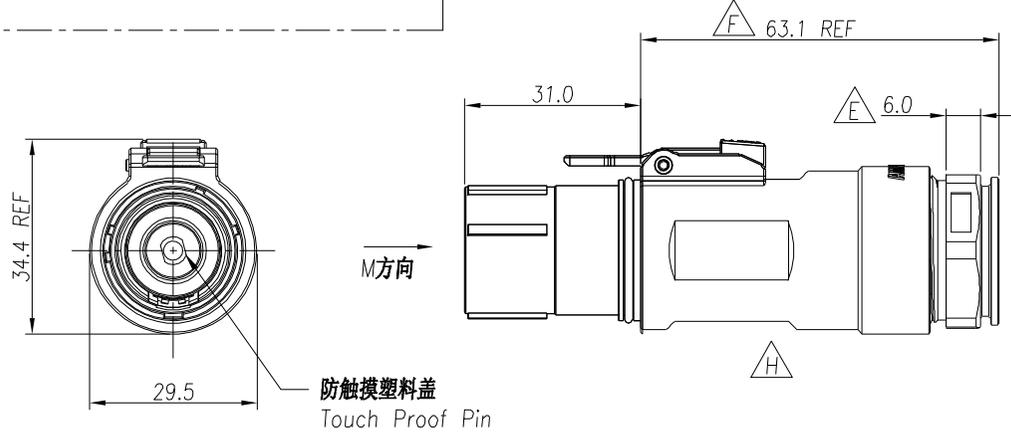
PL18 X - 30 1 - 70

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	"70"=70mm ²
"Y", 黑色 Black	1, 带互锁 With HVIL	"50"=50mm ²
"U", 黄色 Yellow		"35"=35mm ²
"V", 绿色 Green		
"W", 红色 Red		
"T", 蓝色 Blue		

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



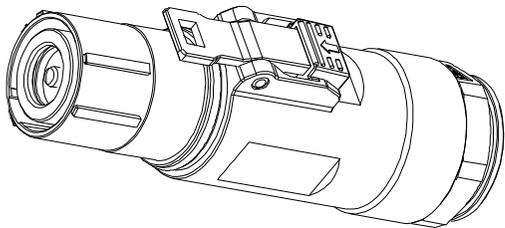
M方向键位示意图
Key View in M direction



P/N	Model NO.	Accepted Wire OD
AC-HA000815	PL18X-301-35	14.5±0.5
AC-HA000816	PL18Y-301-35	
AC-HA000817	PL18U-301-35	
AC-HA000818	PL18V-301-35	
AC-HA000819	PL18W-301-35	
AC-HA001283	PL18T-301-35	17.0±0.5
AC-HA000820	PL18X-301-50	
AC-HA000821	PL18Y-301-50	
AC-HA000822	PL18U-301-50	
AC-HA000823	PL18V-301-50	
AC-HA000824	PL18W-301-50	19.5±0.5
AC-HA001284	PL18T-301-50	
AC-HA000825	PL18X-301-70	
AC-HA000826	PL18Y-301-70	
AC-HA000827	PL18U-301-70	
AC-HA000828	PL18V-301-70	19.5±0.5
AC-HA000829	PL18W-301-70	
AC-HA001285	PL18T-301-70	

P/N	Model NO.	Accepted Wire OD
AC-HA000830	PL18X-300-35	14.5±0.5
AC-HA000831	PL18Y-300-35	
AC-HA000832	PL18U-300-35	
AC-HA000833	PL18V-300-35	
AC-HA000834	PL18W-300-35	
AC-HA001286	PL18T-300-35	17.0±0.5
AC-HA000835	PL18X-300-50	
AC-HA000836	PL18Y-300-50	
AC-HA000837	PL18U-300-50	
AC-HA000838	PL18V-300-50	
AC-HA000839	PL18W-300-50	19.5±0.5
AC-HA001287	PL18T-300-50	
AC-HA000840	PL18X-300-70	
AC-HA000841	PL18Y-300-70	
AC-HA000842	PL18U-300-70	
AC-HA000843	PL18V-300-70	19.5±0.5
AC-HA000844	PL18W-300-70	
AC-HA001288	PL18T-300-70	

- 规格参数 (Spec.):**
- 工作温度 Operating temperature: -40° C~+125° C.
 - 额定电流 Current rating (Connector Only): 35mm²:150A; 50mm²:200A; 70mm²:250A.
 - 额定电压 Operating voltage:1000 VDC.
 - 耐电压 Dielectric withstanding voltage: 5000 VDC.
 - 防护等级 Protection class:IP67 & IP2X.
 - 电磁屏蔽 Shielding.
 - 机械寿命 Mating cycle:100 Min.
 - 带自动二次锁扣 Automatic secondary lock.
 - 带高压互锁 Electrical interlock (HVIL).
 - 配对插座 Mating receptacle : See drawing "PL00-300"



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: PowerLok 10mm 1POS Plug Assy
	1 of 1	A3	J		DWG NO: PL18-300
签名 SIGNATURE: Clay 日期 DATE: 02/22/22 审核 CHECKED: [] 批准 APPROVAL: []					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°
					CUST PART #: N/A
					CUST REV. -