

ATP Solar Motion Series 光伏电源系列连接器



来自CEO的摘记

女士们和先生们,

美国安费诺集团成立于1932年, 是全球最大的连接器制造商之一。我们关注的重点战略领域之一一直是工业市场, 我们和领先的制造商合作, 跨越了广泛的应用-包括能源发电与配电、交通、重型设备、工业自动化、室外无线、芯片读卡器等, 使用更智能、更快、更好的技术来连接产品到客户解决方案成为可能。



安费诺工业市场的足迹覆盖了超过12个不同欧洲国家和全世界30多个国家的设施。我们在新地区及新工业应用的成功扩展, 是我们灵活的创业型管理团队和我们为客户、股东及员工利益而坚定不移地致力于执行安费诺战略的直接反映。

本产品概述突出展示我们主要的工业高端市场和我们拥有领先互联技术的综合产品组合。它用于帮助了解安费诺 实现其高科技志向的工业能力。

感谢您成为安费诺的伙伴。我们整个组织竭诚为您服务。

Note from the CEO

Ladies and Gentlemen,

For over 75 years Amphenol has enjoyed success as the interconnection technology provider of choice to industry-leading companies around the world. One of our key strategic areas of focus has been and is the Industrial market. Our organization works with leading manufacturers across a wide range of applications - including Energy Generation & Distribution, Transportation, Heavy Equipment, Factory Automation, Wireless Outdoor, ChipCard Readers - enabling smarter, faster and better technologies to connect products to customer solutions.

The Industrial market footprint of Amphenol covers over facilities in more than 12 different European countries and more than 30 countries worldwide. Our successful expansion into new regions as well as new industrial applications is a direct reflection of our agile, entrepreneurial management team and our unwavering commitment to execute Amphenol 's strategies for the benefit of our customers, shareholders and employees.

Thank you for partnering with Amphenol. Our entire organization is at your service.

R. Adam Norwitt
President and CEO, Amphenol Corporation

A handwritten signature in black ink, appearing to read 'R. Adam Norwitt'. The signature is fluid and cursive, with a long horizontal stroke at the end.

ATP 光伏电源系列连接器

ATP Solar Motion Series connector

ATP Solar Motion系列连接器是一款3pin电源连接器，额定电压/电流450V/23A。

该系列连接器具有以下优点：

- 1) 推入即锁住，定位精准，高效便捷；
- 2) 压接端子、省时省力；
- 3) 注塑成型结构，防水性能更优；
- 4) 具有抗紫外线以及抗老化的性能。

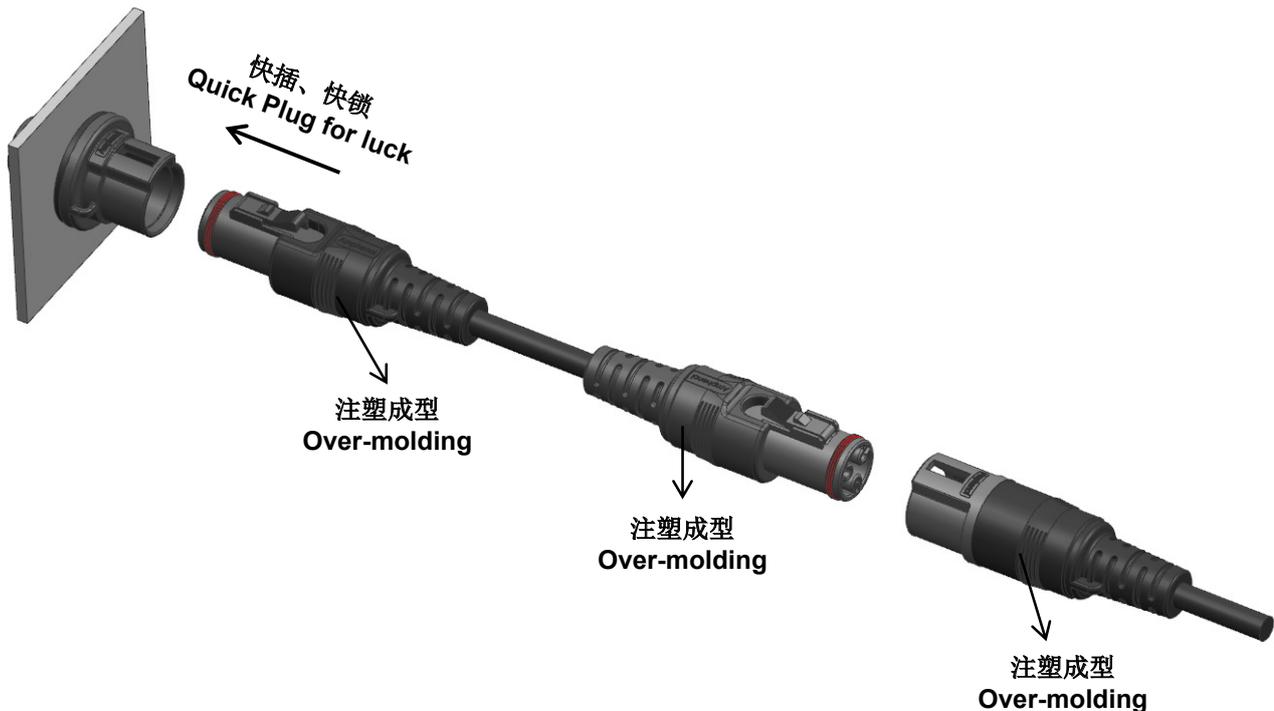
基于上述优点，该系列连接器广泛应用于太阳能、光伏等恶劣的户外场合。

The ATP Solar Motion series is a 3POS power connectors with rated voltage 450V and rated current 23 A.

Advantages of ATP Solar Motion series connectors:

- 1) Effectively, efficiently and precisely pushing for lock;
- 2) Crimping contacts for high working efficiency.
- 3) Over-molding structure for better water proof;
- 4) With personalities of anti-UV and anti-aging.

Based on above Advantages, this series connector could be applied to harsh outdoor fields, such as solar energy、 photovoltaic power, etc.



ATP 光伏电源系列连接器 - 料号编码

ATP Solar Motion Series - Part number sequence



产品性能

Properties of products

温度范围 Temperature Range	-40°C ~ +105°C
浸水密封性 Submersion	IP67/IP65
额定工作电压 Rating Voltage	450V
额定工作电流 Rating Current	23A
耐受电压 Voltage Proof	4000V
接触电阻 Contact Resistance	≤5 mΩ
绝缘电阻 Insulation Resistance	≥ 10 ⁹ Ω
机械寿命 Minimum Mating Cycles	装拆不小于100次, 没有电气或机械上的缺陷。 No electrical or mechanical defects after more than 100 cycles of engagement and disengagement.
端子插拔寿命 Contact mating Cycles	镀金至少1000次、镀银至少200次 At least 1000 times for gold plating and 200 times for silver plating
振动测试 Vibration	在三个相互垂直的平面内, 以50~2000Hz, 20G加速度的正弦振动后, 没有锁扣松脱, 没有机械或物理的损坏, 没有大于1微秒的断电现象。 No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20G's at 50 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.
温湿度循环 Temperature/Humidity Cycling(8 times 8次循环)	在温度+23°C, 湿度45%下放置2小时. Hold at +23°C at 45% RH for 2 Hours. 在0.5小时内升到温度+55°C, 湿度95%. Raise to +55°C at 95% RH within 0.5 Hours. 在温度+55°C, 湿度95%下放置4小时. Hold at +55°C at 95% RH for 4 Hours. 在2.5小时内降到温度-40°C. Lower to -40°C within 2.5 Hours. 在温度-40°C下放置2小时. Hold at -40°C for 2 Hours. 在1.5小时内升到温度+105°C. Raise to +105°C within 1.5 Hours. 在温度+105°C下放置2小时. Hold at +105°C for 2 Hours.
RoHS Compliant	Yes

材料 Material	壳体 (Shell) : 热塑性材料 thermoplastic 密封件(Seals): 硅橡胶材料 silicone elastomer 端子(Contacts): 铜合金、镀金、镀银 Copper alloy、gold plated、silver plated
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ATP 光伏电源系列 3孔连接器-压接

ATP Solar Motion Series 3POS connectors-Crimp

插座料号 Receptacle P/N	尺寸图 Detailed Dimension	开孔图 Panel Dimension	产品图 Product picture
ATP04-3P-SC01			
ATP04-3P-SC02			
ATP04-3P-SC03			
ATP04-3P-SC04			
ATP04-3P-SC05			

ATP 光伏电源系列 3孔连接器-焊接

ATP Solar Motion Series 3POS connectors--Solder

插座料号 Receptacle P/N	尺寸图 Detailed Dimension	开孔图 Panel Dimension	产品图 Product picture
ATP04-3P-SC06			
ATP04-3P-SC07			
ATP04-3P-SC08			
ATP04-3P-SC09			
ATP04-3P-SC10			

ATP 光伏电源系列 3孔连接器

ATP Solar Motion Series 3POS connectors

插头料号 Plug P/N	尺寸图 Detailed Dimension	开孔图 Panel Dimension	产品图 Product picture
ATP06-3S-SC01		/	

可选附件-保护帽

Optional accessories-Protective cap

插座料号 Receptacle P/N	尺寸图 Detailed Dimension	产品图 Product picture	插头料号 Plug P/N	尺寸图 Detailed Dimension	产品图 Product picture
ATP04-3P-CAP			ATP06-3S-CAP		

可选端子

Contacts

公针

Male contacts

线径 Wire Diameter	线规 Wire Gauge	供货方式 Supplied as	包装数量 package QTY	端子料号-镀银 Contacts P/N-Ag	端子料号-镀金 Contacts P/N-Au
φ1.8-2.8mm	0.5 – 1.5mm ² 20 – 16 AWG	单触针 Single contact	100	VN 01 025 0001(101)	VN 01 025 0001(102)
		卷装触针 Contact on reel	200	ZN 01 025 0001(1)	ZN 01 025 0001(2)
		右 Right	2000	HN 01 025 0001(1)	HN 01 025 0001(2)
		左 Left	2000	TN 01 025 0001(1)	TN 01 025 0001(2)
φ2.5-3.5mm	1.5 - 2.5mm ² 16 – 14 AWG	单触针 Single contact	100	VN 01 025 0010(101)	VN 01 025 0010(102)
		卷装触针 Contact on reel	200	ZN 01 025 0010(1)	ZN 01 025 0010(2)
		右 Right	2000	HN 01 025 0010(1)	HN 01 025 0010(2)
		左 Left	2000	TN 01 025 0010(1)	TN 01 025 0010(2)
φ3.3-4.2mm	2.5 – 4mm ² 14 – 12 AWG	单触针 Single contact	100	VN 01 025 0043(1)	/
		卷装触针 Contact on reel	200	ZN 01 025 0043(1)	/
		右 Right	2000	HN 01 025 0043(1)	/
		左 Left	2000	TN 01 025 0043(1)	/

可选端子

Contacts

母针

Male contacts

线径 Wire Diameter	线规 Wire Gauge	供货方式 Supplied as	包装数量 package QTY	端子料号-镀银 Contacts P/N-Ag	端子料号-镀金 Contacts P/N-Au
φ1.8-2.8mm	0.5 – 1.5mm ² 20 – 16 AWG	单触针 Single contact	100	VN 02 025 0001(101)	VN 02 025 0001(102)
		卷装触针 Contact on reel	200	ZN 02 025 0001(1)	ZN 02 025 0001(2)
		右 Right	2000	HN 02 025 0001(1)	HN 02 025 0001(2)
		左 Left	2000	TN 02 025 0001(1)	TN 02 025 0001(2)
φ2.5-3.5mm	1.5 - 2.5mm ² 16 – 14 AWG	单触针 Single contact	100	VN 02 025 0010(101)	VN 02 025 0010(102)
		卷装触针 Contact on reel	200	ZN 02 025 0010(1)	ZN 02 025 0010(2)
		右 Right	2000	HN 02 025 0010(1)	HN 02 025 0010(2)
		左 Left	2000	TN 02 025 0010(1)	TN 02 025 0010(2)
φ3.3-4.2mm	2.5 – 4mm ² 14 – 12 AWG	单触针 Single contact	100	VN 02 025 0043(1)	/
		卷装触针 Contact on reel	200	ZN 02 025 0043(1)	/
		右 Right	2000	HN 02 025 0043(1)	/
		左 Left	2000	TN 02 025 0043(1)	/

您的销售代表：

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