

CHINT

正泰鑫辉



正泰鑫辉通用金属航空插（推拉锁紧版）

CHINT XINHUI METAL AVIATION PLUG (PUSH-PULL LOCK VERSION)

扬帆双碳新蓝海 开拓数智新未来

Open a New Blue Ocean for Dual Carbon Goals, Create a New Future for Digital Technology

今日正泰

CHINT Today

2200 亿元

年总资产

Total Assets
USD 30.82 Billion

1850 亿元

年销售收入

Annual Revenue
USD 25.91 Billion

140+

遍及国家及地区

Business Coverage in
Countries and Regions

160+ 亿元

利税总额

Total Annual Profit and Tax
USD 2.2+ Billion

40,000+

全球员工

Global
Employees

500,000+

产业链带动就业

Employment Opportunities
Driven by Industrial Chains

500强 

连续20余年上榜

Top China Company
For over 20 Years

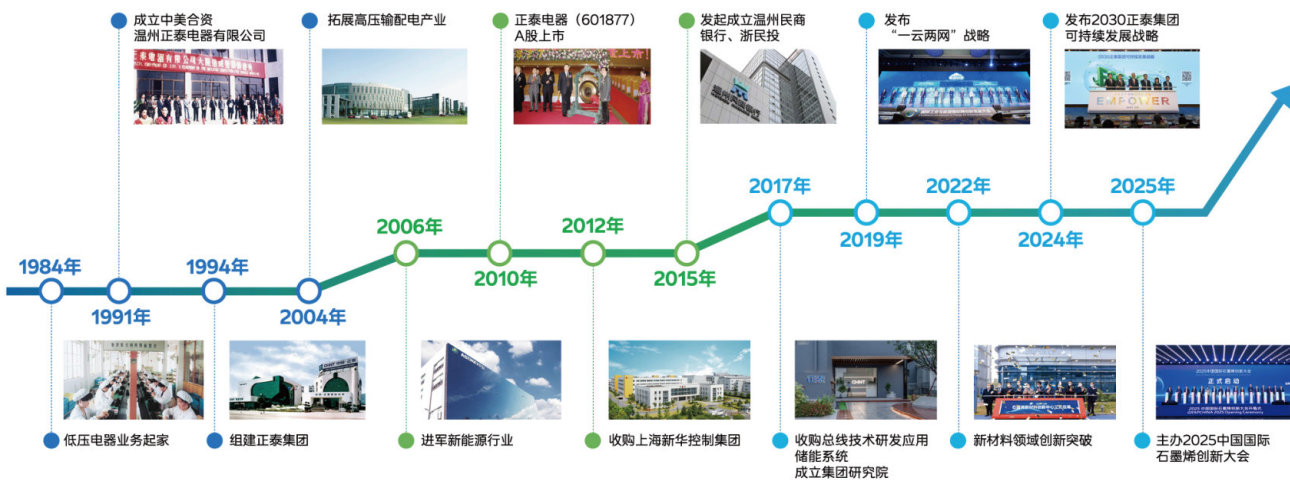
2025.12.31

相关数据统计截止时间:

Data as of

发展历程

Development History



坚守实业，整合发展
1984-2005

绿色能源，智能制造
2006-2016

构建平台，赋能创新
2017-至今

扬帆双碳新蓝海 开拓数智新未来

Open a New Blue Ocean for Dual Carbon Goals, Create a New Future for Digital Technology

新时代、新机遇，正泰构筑“3+2”产业发展新动能

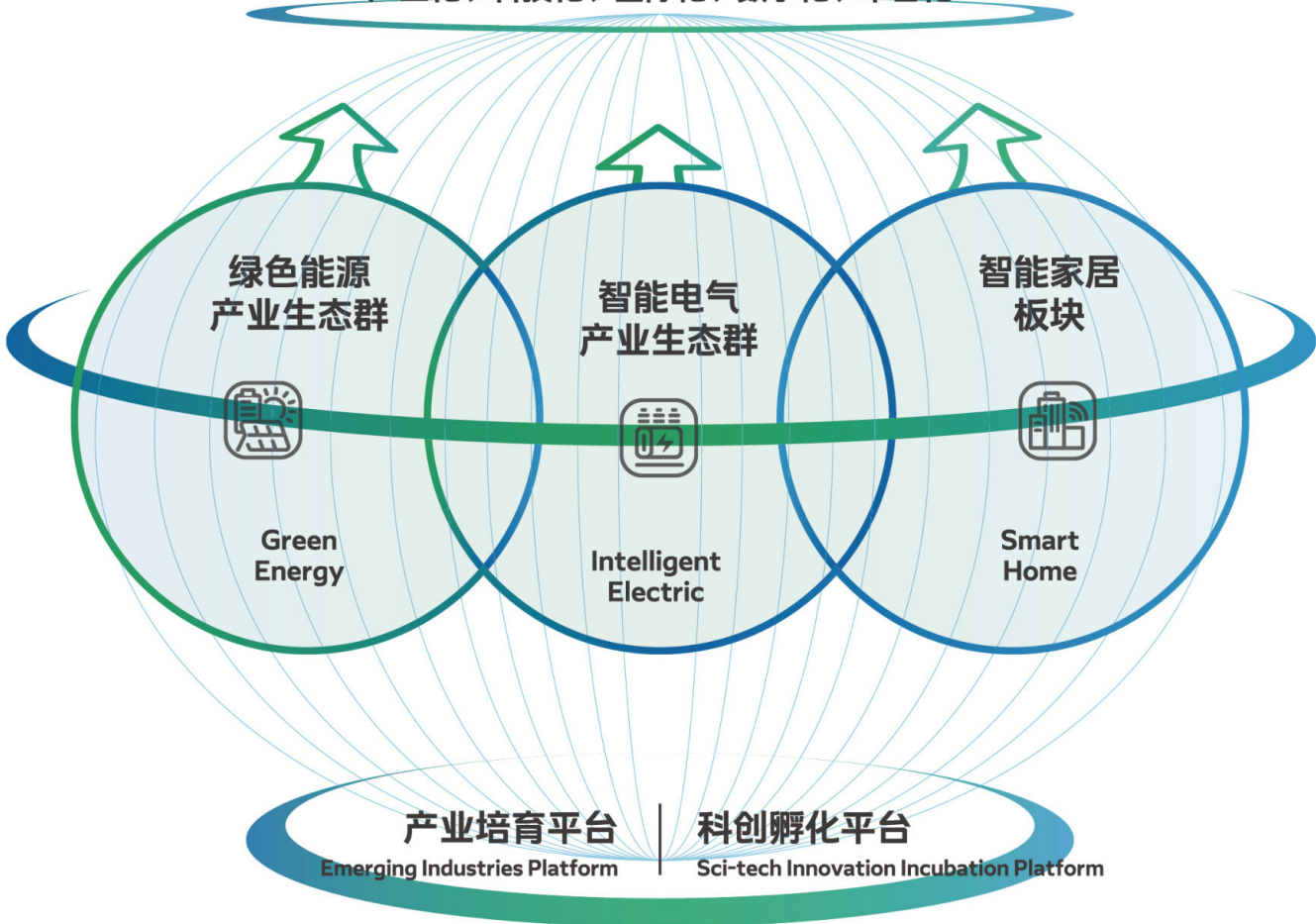
New Era, New Opportunities, CHINT Build a New Momentum for the Development of the "3+2" Industry

正泰始终扎根实业、创新驱动发展，深入践行“产业化、科技化、国际化、数字化、平台化”战略举措，构建起“3+2”产业创新发展格局——即绿色能源产业生态群、智能电气产业生态群、智能家居板块三大核心产业，以及产业培育、科创孵化两大平台，成为倍受信任的电力能源综合解决方案服务商。

CHINT has consistently focused on diligent industrial pursuit and brand innovation. Embracing strategic imperatives such as industrialization, technological advancement, global expansion, digitization, and platform development, the company has strategically positioned itself across three key sectors: “Green Energy”, “Intelligent Electrical Solutions”, and “Smart Home”, along with two pivotal platforms, Emerging Industries and Sci-Tech Innovation Incubation.

正泰构筑3+2产业创新发展格局

产业化、科技化、国际化、数字化、平台化



扬帆双碳新蓝海 开拓数智新未来

Open a New Blue Ocean for Dual Carbon Goals, Create a New Future for Digital Technology

植根中国 服务全球

Based In China, Providing Services Worldwide

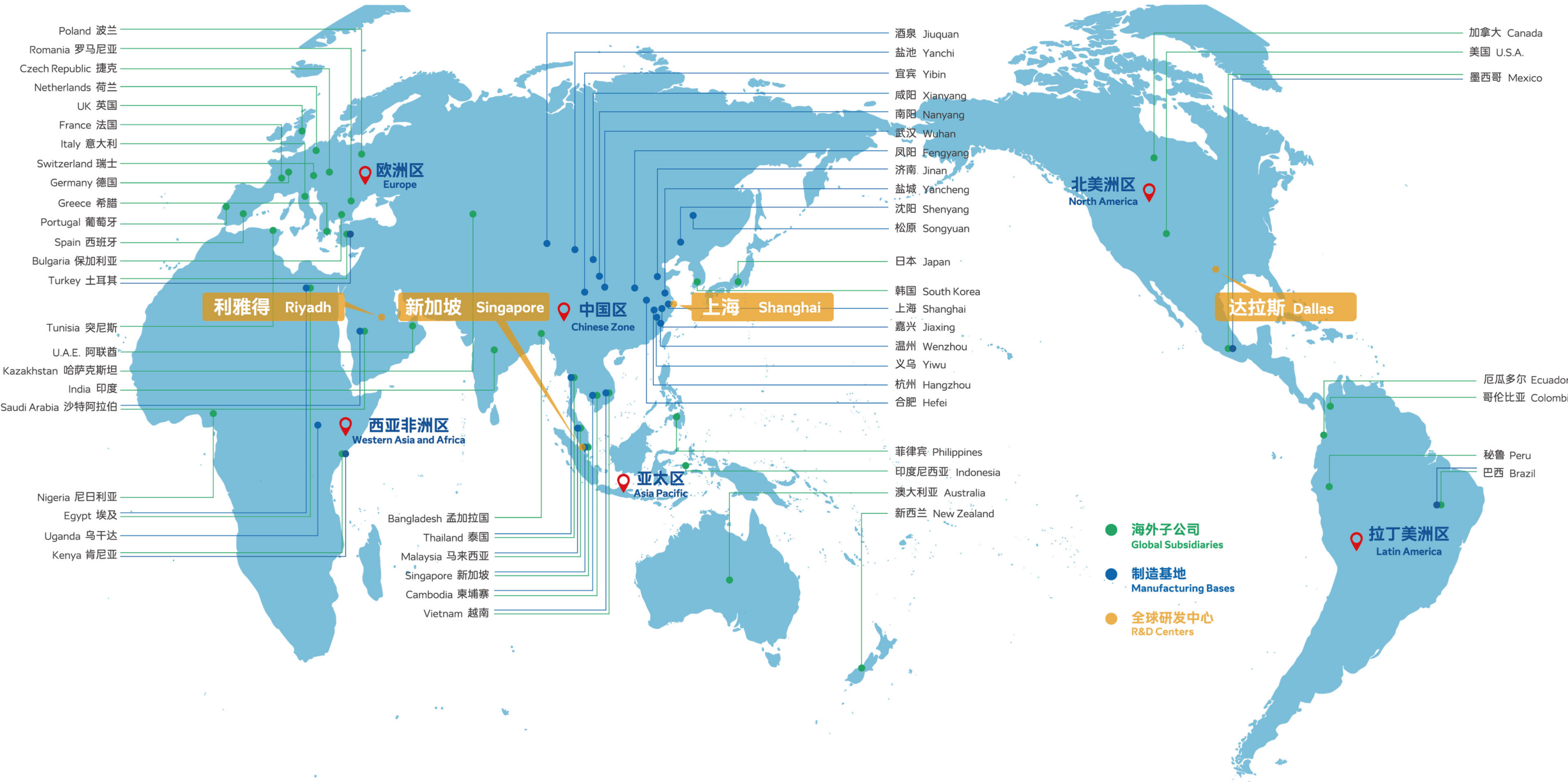
4 全球研发中心：北美、亚太、西亚、中国
National R&D Centers: North America, Asia-Pacific, West Asia, China

6 国际营销区域：亚太区、西亚非洲区、欧洲区、拉丁美洲区、北美洲区、中国区
International Marketing Territories: Asia Pacific, Western Asia and Africa, Europe, Latin America, North America, China

30+ 制造基地
Manufacturing Bases

20+ 国际物流中心
International Logistics Centers

2300+ 全球经销商
Global Distributors



正泰鑫辉概述

CHINT XINHUI OVERVIEW

正泰鑫辉介绍

CHINT XINHUI INTRODUCTION

浙江正泰鑫辉光伏有限公司成立于2023年3月，是专业从事工业连接系统的研发、生产、销售和服的科技型企业，是工业连接系统解决方案提供商

- 获评国家高新技术企业、浙江省专精特新中小企业、浙江省科技型中小企业等
- 现有厂房13000平方米，日产接线盒、连接器、优化器等超20万套
- 全部产品通过TUV、UL、PCCC、产品碳足迹等国内外专业认证，其中光伏接线盒荣获中国专利保护协会2025年绿色技术创新案例

Zhejiang chint Xinhui Photovoltaic Co., Ltd., established in March 2023, is a technology enterprise specializing in the R&D, production, sales and after-sales service of industrial connection systems, as well as a full-scope solution provider for industrial connectivity.

- Accredited as a National High-Tech Enterprise, Zhejiang Provincial Specialized, Refined, Unique and Innovative (SRDI) Small and Medium-sized Enterprise, and Zhejiang Provincial Technology-based SME, among other credentials.
- Operates a 13,000 m² production base with a daily output exceeding 200,000 sets of PV junction boxes, connectors, power optimizers and related products.
- All products have obtained domestic and international professional certifications including TÜV, UL, PCCC and Product Carbon Footprint (PCF) accreditation. Notably, its PV junction boxes were selected as 2025 Green Technology Innovation Cases by the China Patent Protection Association (CPPA).

数说正泰鑫辉

DATA-DRIVEN INSIGHTS INTO CHINT XINHUI

41年+

深耕电器连接领域
EXPERTISE IN ELECTRICAL
CONNECTION SYSTEMS

16年+

光伏连接经验
EXPERIENCE IN PHOTOVOLTAIC
CONNECTIVITY

20万套+

日产能
DAY PRODUCTION CAPACITY

36项发明专利+

23项授权/13项公开实审
23 GRANTED /13 UNDER SUBSTANTIVE
EXAMINATION

6项标准+

3项国标/2项行标11项团标，参编
3 NATIONAL STANDARDS/
2 INDUSTRY STANDARDS/
1 ASSOCIATION(CO-EDIIOR)

2所+

温州、上海研究院
LOCATED IN WENZHOU AND SHANGHAI

正泰鑫辉概述

CHINT XINHUI OVERVIEW

正泰鑫辉文化理念

CHINT XINHUI CORPORATE CULTURE

企业愿景：连接系统解决方案提供商

核心价值观：以客户为中心，创新、协作、正直、谦学、担当

企业使命：让连接更安全高效

我们坚持正泰集团“以人为本、价值分享”文化不动摇，秉承“以客户为中心，创新、谦学、正直、协作、担当”为核心价值观，以“为客户创造价值，为员工谋求发展，为社会承担责任”为经营理念，践行“让工业连接更安全高效”的使命，致力于成为优秀的“工业连接系统解决方案提供商”，与国内外合作伙伴及产业链上下游实现价值共享，构筑发展共同体。

Vision: A premier provider of connectivity system solutions.

Core Values: Customer-centricity, Innovation, Collaboration, Integrity, Humility in Learning, and Accountability.

Mission: To make every connection safer and more efficient.

We remain steadfast in upholding CHINT Group’s culture of “People First, Value Sharing.” Guided by our core values—placing the customer at the center while championing innovation, humility in learning, integrity, collaboration, and accountability—we operate on the philosophy of “Creating value for customers, fostering growth for employees, and embracing social responsibility.”

Committed to our mission of making industrial connections safer and more efficient, we strive to be a leading Industrial Connectivity System Solution Provider. We aim to achieve shared value and build a community of common development together with our global partners across the industrial chain.

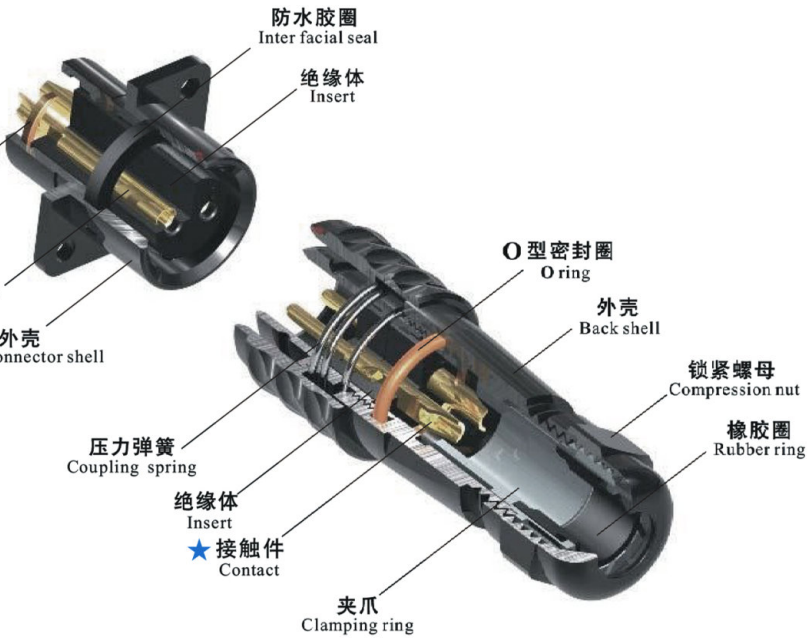
金属航空插目录型号

H	P	20	BM	/	P	01	
↑	↑	↑	↑	↑	↑	↑	
正泰鑫辉	产品类型	开孔尺寸	插头或插座种类	插头插座	接触件种类	芯数	
	P：圆形连接器 YD：螺纹锁紧式 DF：精密小体积 Y：经济型基础款 SA：卡扣式快速拔插 TP：重型工业	12：12mm 16：16mm 20：20mm 21：21mm 24：24mm 25：25mm 28：28mm 30：30mm 32：32mm 35：35mm 36：36mm 40：40mm 48：48mm 50：50mm 55：55mm 60：60mm	P：插头 PL：电缆插头 CS： 电缆式密封 C：电缆式 PS：密封 SL：密封插座 NS：非密封插座 SK：对接插座 HN：后螺母 QN：前螺母 FS：方形插座 FLS：法兰插座 FL：法兰盘 DL：法兰盘反装 BM：穿墙安装 RB：穿墙反装 WRC：弯式固定圆形电缆 TR：弯式固定金属软管 AU：弯式非屏蔽插头 AS：弯式屏蔽插头 W：弯式电缆护套插头 WR：弯式塑料软管插头 TP：直式固定金属软管 TPC：直式固定圆形电缆 SU：直式非屏蔽插头 SS：直式屏蔽插头 T：直式电缆护套插头 WP：直式塑料软管插头 TD：直式对接电缆护套插座 TPD：直式对接金属软管插座 WPD：直式对接塑料软管插座 TDN：直式螺母对接电缆护套插座	/：插头 F：插座	P - 插针 S - 插孔	1：1芯 3：3芯 3A：3芯 3B：3芯 3F：3芯 5：5芯 5A：5芯 5F：5芯 7：7芯 7A：7芯 7F：7芯 9：9芯 9A：9芯 11：11芯 13：13芯 15：15芯 17：17芯 19：19芯 21：21芯 27：27芯 31：31芯 35：35芯 37：37芯 45：45芯 47：47芯 53：53芯 61：61芯 65：65芯 81：81芯 86：86芯 120：120芯	2：2芯 2A：2芯 2B：2芯 2F：2芯 4：4芯 4A：4芯 4B：4芯 4F：4芯 6：6芯 6B：6芯 6F：6芯 8：8芯 8A：8芯 8B：8芯 8F：8芯 10：10芯 10B：10芯 12：12芯 12A：12芯 12B：12芯 14：14芯 16：16芯 20：20芯 24：24芯 26：26芯 30：30芯 32：32芯 36：36芯 38：38芯 40：40芯 42：42芯 50：50芯

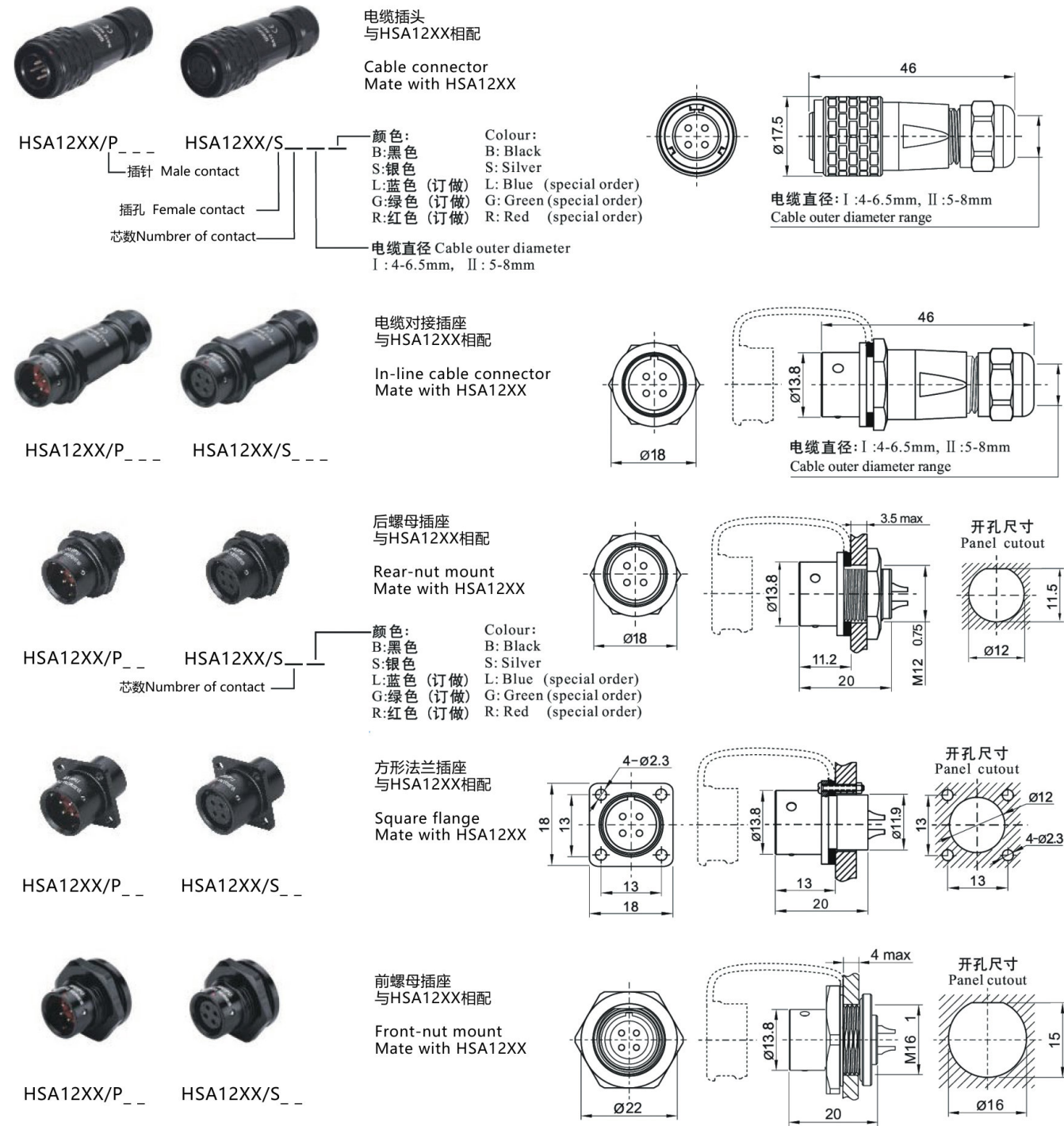


● 产品结构图
Part Section Showing
Internal Components

★ 接触件可以是插针或插孔
Each side can be male or female contact



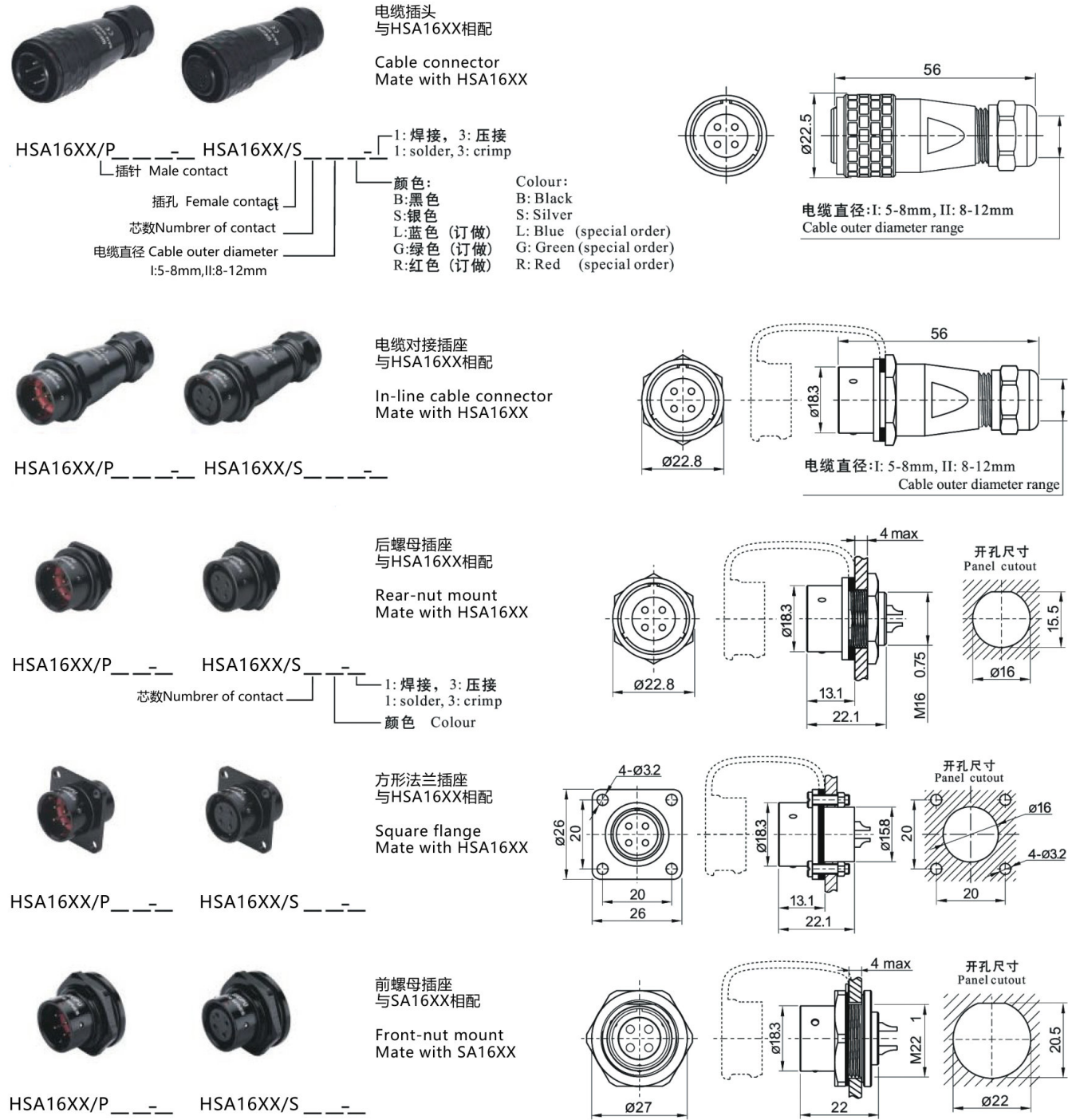
材料和技术参数 Material and specspec		
接插方式/Coupling	推入式快速锁紧	Push-pull
外壳材料/Shell material	铝阳极氧化	Anodized aluminium
绝缘体/Insert material	热塑性塑料PPS, 耐高温 260℃	PPS, max temperature 260 °C
接触件材料/Contact material	铜合金(镀金)	Brass with gold plating
接线方式/Termination	焊接:HSA12/HSA16/HSA20/HSA24/HSA28	Solder;:HSA12/HSA16/HSA20/HSA24/HSA28
电缆直径/Cable outer diameter range	HSA12: I:4-6.5mm, II: 5-8mm HSA16: I: 5-8mm, II: 8-12mm HSA20: I: 5-9mm, II: 8-12mm	HSA24:10-14mm HSA28:I:9-13mm, II:13-16mm
防护等级/IP rating	IP68(连接后)	IP68(mated)
接插次数/Mating cycle	500 USB:1000	
温度范围/Temperature range	-40℃ ~ +85℃; 信号、数据 Date: -20℃ ~ +70℃	
绝缘电阻/Insulation resistance	2000 MΩ	
传输速率/Transmission Speed	五类:10-100Mbps 六类:100-1000Mbps Cat 5: 100Mbps Cat 6: 100-1000Mbps	



焊接 芯件参数 Solder contact spec

芯数 Number of contact	2	3	4	5	6	7	9
公端绝缘体正面图 Male contact face view							
额定电流 (A) Rated current (A)	13	13	5	5	5	5	3
接触件直径 (mm) Contact diameter	Ø1.6X2	Ø1.6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
工作电压 (AC.V) Rated voltage (AC.V)	250	250	200	180	125	125	125
耐压 (AC.V) 1 min Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
接触电阻 (mΩ) Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
线规 (mm²/AWG) Wire size(mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

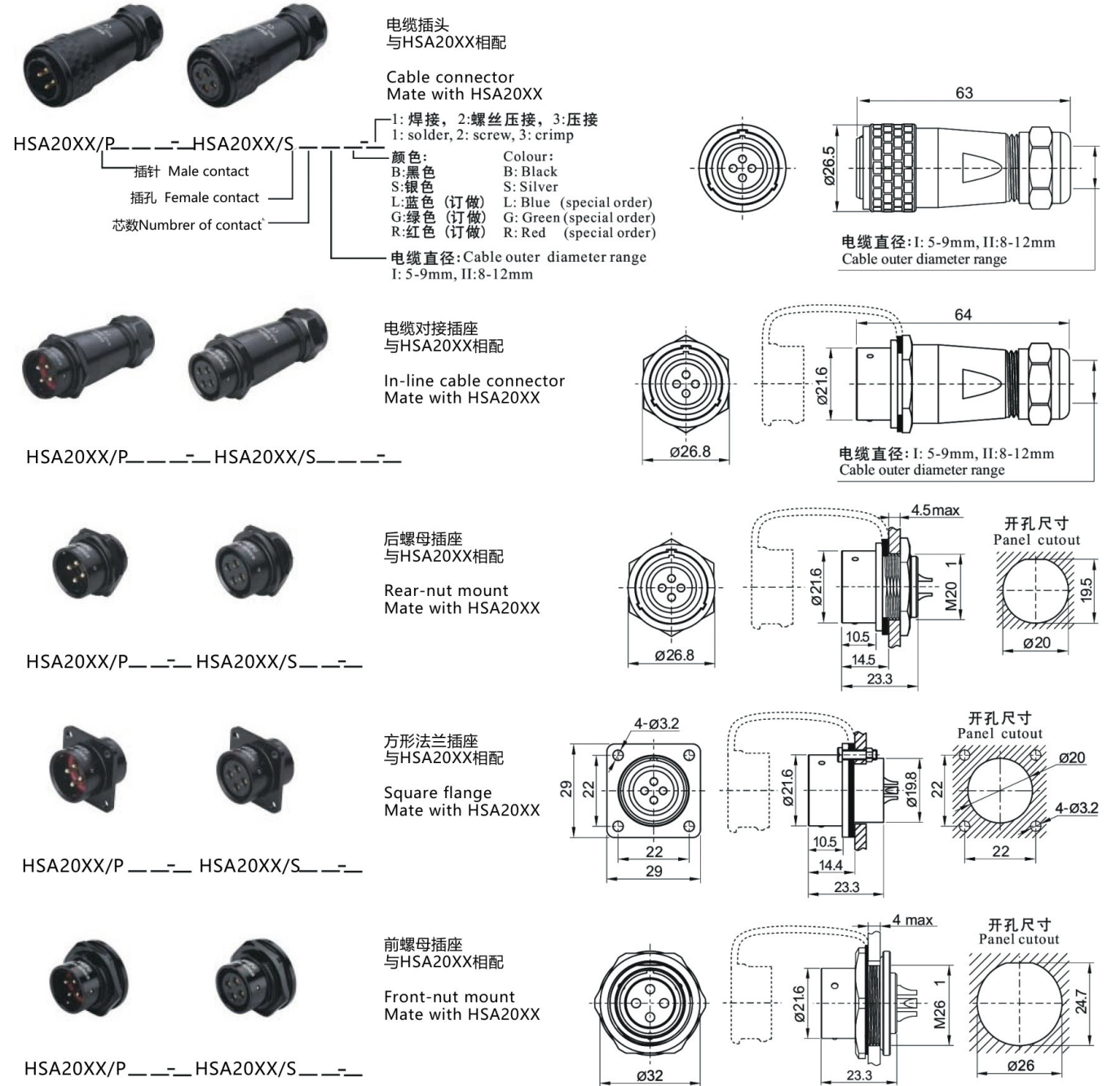
HSA16系列 HSA16 Series



焊接芯件参数 Solder contact spec

芯数 Number of contact	2	3	4	2B	3B	4B	5	7	9	10
公端绝缘体正面图 Male contact face view										
额定电流 (A) Rated current (A)	10	10	5	15	15	15	5	5	5	5
接触件直径(mm) Contact diameter (mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
工作电压 (AC.V) Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
耐压 (AC.V) 1 min Test voltage (AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
接触电阻 (mΩ) Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
线规 (mm²/AWG) Wire size (mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

HSA20 系列 HSA20 Series



焊接芯件参数 Solder contact spec

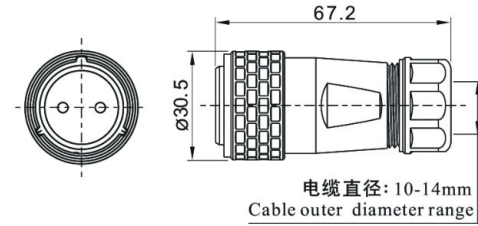
芯数 Number of contact	2	3	4	5	6	6B	7	8	9	12	15
公端绝缘体正面图 Male contact face view											
额定电流 (A) Rated current (A)	25	25	25	10	25	30	10	10	5	5	5
接触件直径(mm) Contact diameter (mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
工作电压 (AC.V) Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
耐压 (AC.V) 1 min Test voltage (AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
接触电阻 (mΩ) Contact resistance (mΩ)	1	1	1	2.5	1	1	2.5	2.5	5	5	5
接线方式 Termination	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder
焊接线规 (mm²/AWG) Wire size for solder (mm²/AWG)	≤4/12	≤4/12	≤4/12	≤1.5/16	≤4/12 ≤0.75/18	≤4/12 ≤0.75/18	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18
螺丝压接线规 (mm²/AWG) Wire size for screw termination (mm²/AWG)	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	/	/	/	/	/	/	/	/

HSA24系列 HSA24 Series

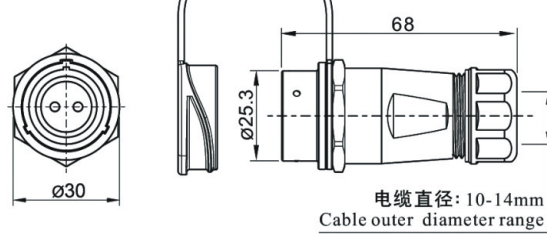
电缆插头
与HSA24XX相配Cable connector
Mate with HSA24XX

HSA24XX/P — HSA24XX/S —
插针 Male contact
插孔 Female contact
芯数 Number of contact

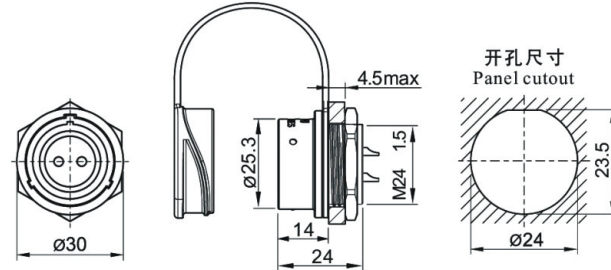
1: 焊接, 2: 螺丝压接, 3: 压接
1: solder, 2: screw, 3: crimp
颜色: B: 黑色, S: 银色, L: 蓝色 (订做), G: 绿色 (订做), R: 红色 (订做)
Colour: B: Black, S: Silver, L: Blue (special order), G: Green (special order), R: Red (special order)

电缆直径: 10-14mm
Cable outer diameter range电缆对接插座
与HSA24XX相配In-line cable connector
Mate with HSA24XX

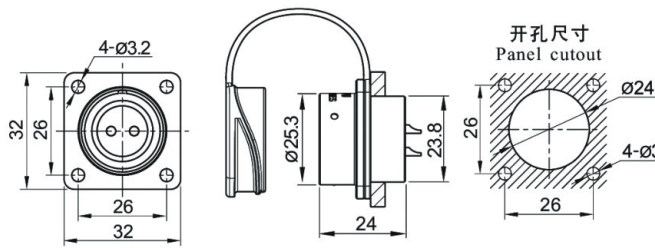
HSA24XX/P — HSA24XX/S —

电缆直径: 10-14mm
Cable outer diameter range后螺母插座
与HSA24XX相配Rear-nut mount
Mate with HSA24XX

HSA24XX/P — HSA24XX/S —

开孔尺寸
Panel cutout
Ø24方形法兰插座
与HSA24XX相配Square flange
Mate with HSA24XX

HSA24XX/P — HSA24XX/S —

开孔尺寸
Panel cutout
Ø24

焊接芯件参数 Solder contact spec

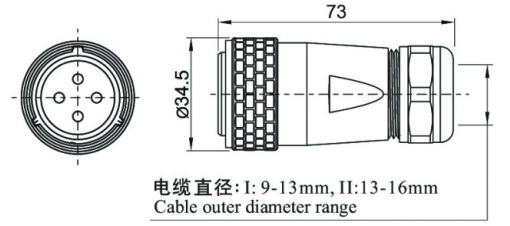
芯数 Number of contact	2	3	4	9	10	12	12B	19
公端绝缘体正面图 Male contact face view								
额定电流 (A) Rated current (A)	25	25	25	5 25	10	10	5 30	5
接触件直径 (mm) Contact diameter (mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1X5 Ø2.5X4	Ø1.5X10	Ø1.5X12	Ø1X9 Ø3X3	Ø1X19
工作电压 (AC.V) Rated voltage (AC.V)	500	500	500	500	500	500	500	400
耐压 (AC.V) 1 min Test voltage (AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200
接触电阻 (mΩ) Contact resistance (mΩ)	1	1	1	5 1	2.5	2.5	5 1	5
绝缘电阻 (MΩ) Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
线规 (mm²/AWG) Wire size (mm²/AWG)	≤4/12	≤4/12	≤4/12	≤0.75/18 ≤4/11	≤1.5/16	≤1.5/16	≤0.75/18 ≤4/11	≤0.75/18
螺丝压接线规 (mm²/AWG) Wire size for screw termination	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	/	/	/	/	/

HSA28 系列 HSA28 Series

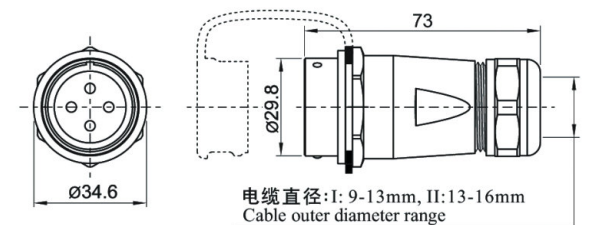
电缆插头
与HSA28XX相配Cable connector
Mate with HSA28XX

HSA28XX/P — HSA28XX/S —
插针 Male contact
插孔 Female contact
芯数 Number of contact

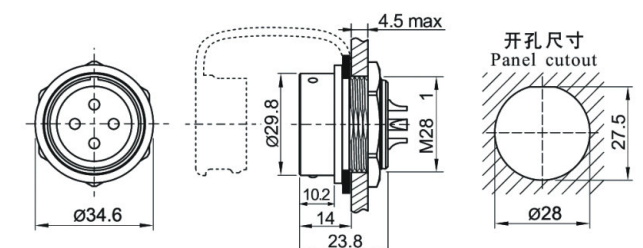
1: 焊接, 2: 螺丝压接, 3: 压接
1: solder, 2: screw, 3: crimp
颜色: B: 黑色, S: 银色, L: 蓝色 (订做), G: 绿色 (订做), R: 红色 (订做)
Colour: B: Black, S: Silver, L: Blue (special order), G: Green (special order), R: Red (special order)
电缆直径: Cable outer diameter range
I: 9-13mm, II: 13-16mm

电缆直径: I: 9-13mm, II: 13-16mm
Cable outer diameter range电缆对接插座
与HSA28XX相配In-line cable connector
Mate with HSA28XX

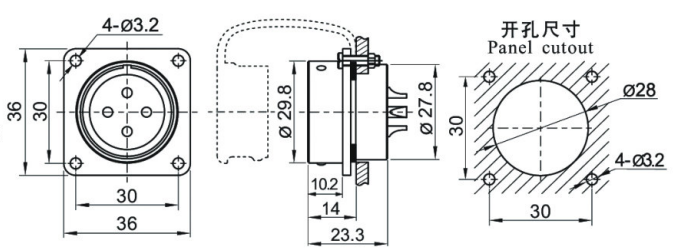
HSA28XX/P — HSA28XX/S —

电缆直径: I: 9-13mm, II: 13-16mm
Cable outer diameter range后螺母插座
与SA28XX相配Rear-nut mount
Mate with SA28XX

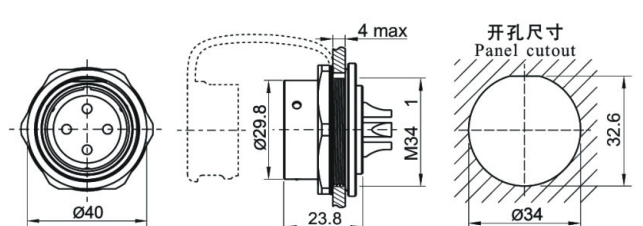
SA28XX/P — SA28XX/S —

开孔尺寸
Panel cutout
Ø28方形法兰插座
与HSA28XX相配Square flange
Mate with HSA28XX

HSA28XX/P — HSA28XX/S —

开孔尺寸
Panel cutout
Ø28前螺母插座
与HSA28XX相配Front-nut mount
Mate with HSA28XX

HSA28XX/P — HSA28XX/S —

开孔尺寸
Panel cutout
Ø34

焊接芯件参数 Solder contact spec

芯数 Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
公端绝缘体正面图 Male contact face view																
额定电流 (A) Rated current (A)	50	50	25	25	25	60, 5	25, 5	25	10	10	10	10	5	5	5	5
接触件直径 (mm) Contact diameter (mm)	Ø3.5X2	Ø3.5X3	Ø2.5X4	Ø2.5X7	Ø2.5X8	Ø5X2 Ø1X6	Ø2.5X4 Ø1X5	Ø2.5X10	Ø1.5X10	Ø1.5X12	Ø1.5X16	Ø1.5X17	Ø1X20	Ø1X24	Ø1X26	Ø1X35
工作电压 (AC.V) Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
耐压 (AC.V) 1 min Test voltage (AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
接触电阻 (mΩ) Contact resistance (mΩ)	0.5	0.5	1	1	1	0.5, 5	1, 5	1	2.5	2.5	2.5	2.5	5	5	5	5
接线方式 Termination	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接/螺丝压接 solder / screw	焊接 solder	焊接 solder	焊接/螺丝压接 solder / screw	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder	焊接 solder
线规 (mm²/AWG) Wire size (mm²/AWG)	≤10/7	≤10/7	≤4/12	≤4/12	≤4/12	≤16/5 ≤0.75/18	≤4/12 ≤0.75/18	≤4/12	≤1.5/16	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
螺丝压接线规 (mm²/AWG) Wire size for screw termination	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	/	/	Min: 0.5/20 Max: 1.5/15	/	/	/	/	/	/	/	/

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