

DEGSON 是专业工业连接器制造商，能为客户提供定制化的解决方案。
 DEGSON is a professional industrial connector manufacturer that offers customized solutions to customers.



重载连接器



DEGSON
 宁波高松电子有限公司
 DEGSON ELECTRONICS CO.,LTD.

地址：中国宁波慈溪市道林大道1585号
 邮编：315321
 网址：www.degson.com
 The catalog is only for reference, and the detail data must be based on our company's specification!

电话：+86-574-63504333
 传真：+86-574-63512345
 邮箱：info@degson.com



HC 21-CE02

宁波高松电子有限公司
 DEGSON ELECTRONICS CO.,LTD.
 ISO9001 ISO14001 ISO80079-34 IATF16949



公司简介

DEGSON高松创建于1990年，是全球知名的工业连接器整体解决方案提供商、业内同时拥有美国UL和德国VDE认可专业实验室的企业，公司通过了ISO9001、ISO14001、ISO80079-34、ISO/TS22163和IATF16949管理体系认证，是国家高新技术企业。

DEGSON高松拥有行业领先的模具加工、自动化制造能力，配备先进的检测仪器和专业检测技术，打造高可靠性、高耐用性产品，服务全球用户；同时，我们具有强大的定制化能力，并根据全球客户个性化需求，提供专业的定制化解决方案，为客户提供增值服务。

DEGSON高松产品畅销中国、美国、德国、英国、意大利、西班牙、土耳其、俄罗斯、日本、韩国、新加坡等100多个国家和地区，为全球工业自动化、仪器仪表、电力电气、轨道交通、船舶、新能源、电梯、照明、安防、机械等行业，提供高品质产品和服务，获得了众多世界500强和行业龙头企业的认可。

DEGSON高松以“务实创新、责任诚信、和谐发展、规则共赢”的经营理念，不断整合全球专业技术资源，打造强大的研发创新、产品制造和技术应用能力，依托全球布局，提供系列化、多品种、多型号的高品质产品和服务，为全球客户提供专业、快捷的全连接应用解决方案，帮助客户持续创造价值，致力打造智慧互联世界。

Brief Introduction

Founded in 1990, DEGSON is a global solution provider of electrical, electronic and industrial connectors. As a National High-tech enterprise, DEGSON owns the UL and VDE certified laboratory. The company achieved ISO9001, ISO14001, ISO80079-34, ISO/TS22163 and IATF16949 management system certifications.

DEGSON is engaged in supplying highly reliable and durable products to serve global customers. The company has a market-leading capability of mould processing, automatic manufacturing and advanced testing. DEGSON has the complete engineering ability to support global customers with the professional customization solution and value-added service.

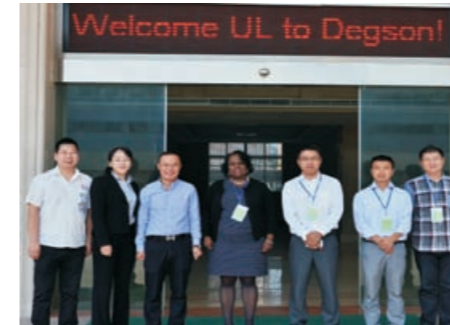
DEGSON products are widely recognized in China, the USA, Germany, the UK, Italy, Spain, Turkey, Russia, Japan, South Korea, Singapore, etc. totally hundred countries and regions. DEGSON supply high quality products and provide professional services globally in the industry sectors likely industrial automation, instrument, electric power, railway, marine and offshore, new energy, elevator, lighting, security, machinery, etc. The company won the recognition from partners among Fortune 500 and industry leading enterprises.

Based on the business philosophy of “pragmatic innovation, responsibility, integrity, harmonious development, regulation and win-win”, DEGSON continuously integrates professional technical resources, R&D innovation, product manufacturing and technology application capabilities. Relying on global sales network, DEGSON aims to supply series of multiple varieties of high-quality products and services. We provide global customers with professional and quick connected application solutions, help customers continue to create value. DEGSON is making contributions to creating a smart and interconnected world.



亚洲首家同时拥有美国UL、德国VDE认可的实验室 First UL & VDE Certified Laboratory in Asia

UL、VDE战略合作 Strategic cooperation with UL and VDE



① UL能源与科技全球事业部总经理来访我司

① The general manager of UL global energy & technology division visit our company



② VDE环球服务公司总裁 Sven Ohrke来我司商务洽谈战略合作
② Sven Ohrke, President of VDE global services, discusses mutual strategic cooperation in DEGSON



③ VDE实验室认可：2010年7月VDE正式向DEGSON颁发了“VDE认可实验室”证书。
UL实验室认可：2013年3月UL正式向DEGSON颁发“UL WTDP”证书。
2016年4月，UL颁发了CDTP实验室认可证书。
2016年12月，VDE颁发了TDAP实验室认可证书。
2017年1月，IRIS体系审核通过。
③ VDE Laboratory Accreditation: In July 2010, VDE issued the "VDE Authorized Laboratory" certificate to DEGSON laboratory.
UL laboratory accreditation: UL formally issued "UL WTDP" certificate to DEGSON in March 2013.
In April, 2016, UL-CTDP.
In December, 2016, VDE-TDAP.
In January, 2017, Pass IRIS system audit.



ISO9001



ISO14001



ISO22163



UL CTDP 实验室证书
UL - CTDP



VDE TDAP 实验室证书
VDE - TDAP



EX 证书
EX certificate



UL 证书号:E228872 1400种规格
UL File NO.:E228872 1400 items



166 VDE 证书 1000种规格
166 VDE certificates for 1000 items



TUV 证书
TUV certificate



EAC 证书
EAC certificate



CE 证书
CE certificate



中国发明专利证书
Chinese invention patent

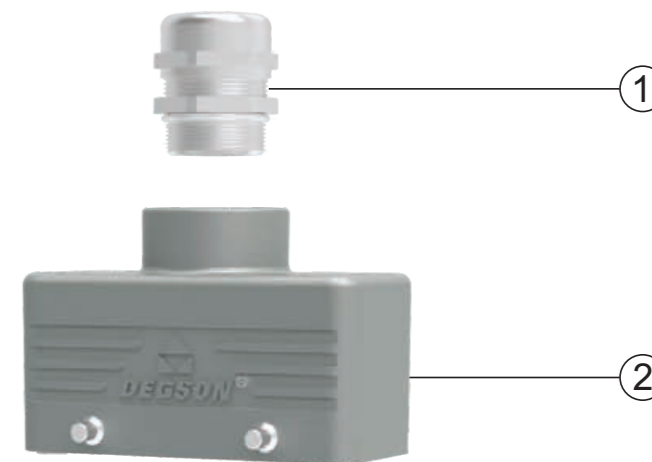
目录 CONTENTS

- ◆ 接插件安装示意图 Assembly Details01
- ◆ 选型指南 How to Order02
- ◆ 壳体系列对应的插芯 Housing Matched Contact Insert03-04
- ◆ 用外壳保护连接器 Housings Connector Insert Protection05
- ◆ 插体 Inserts
 - DA Series06-10
 - DD Series 11-19
 - DDD Series20-26
 - DE Series27-33
 - DEE Series34-40
 - DQ Series41-56
 - DSB Series.....57-58
 - DK Series.....59-68
- ◆ 模块框架 Modular Fixing Frame
 - DF Modular69
 - DM Series70-88
- ◆ 外壳 Hoods & Housings
 - 外壳特性 Hoods & Housings Feature89
 - D3A Series90-91
 - D10A Series92
 - D16A Series93
 - D32A Series94-95
 - D6B Series96-97
 - D10B Series98-103
 - D16B Series104-109
 - D24B Series110-115
 - D32B Series116-117
 - D48B Series118
 - DC Series119
- ◆ 附件部分 Accessory
 - 常用组合套件 Set general introduction120-125
 - 外壳安装尺寸 Housings Mounting Dimensions126-127
 - 冷压针 Crimp Contacts128
 - 电缆接头选型指南 Cable Connector Part Number Guidelines129
 - 电缆接头 Cable Glands130-132
 - 工具&编码 Tools & Coding133

接插件安装示意图 Assembly Details

① 电缆接头/Cable gland:

有M制与PG制螺纹区分，选择时需看电缆或连接导线线径大小情况而定。
M type thread or PG type thread ,depending on wire range of cables or conductors.

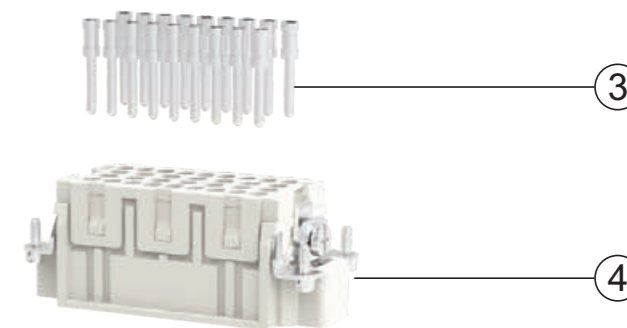


② 防护外壳上座/Hoods:

有标准结构或高结构，顶部或侧面出线，2耳或4耳，单扣或双扣形式。
Standard or high construction, top or side cable entry,2 or 4 locking point,1 or 2 locking levers.

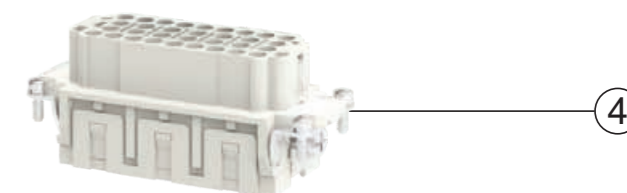
③ 公插针&母插针/Male contact & Female contact:

材料通常为铜合金，表面通常为镀银，也可选择镀金。
Normal material is copper alloy,silver plated or gold plated.



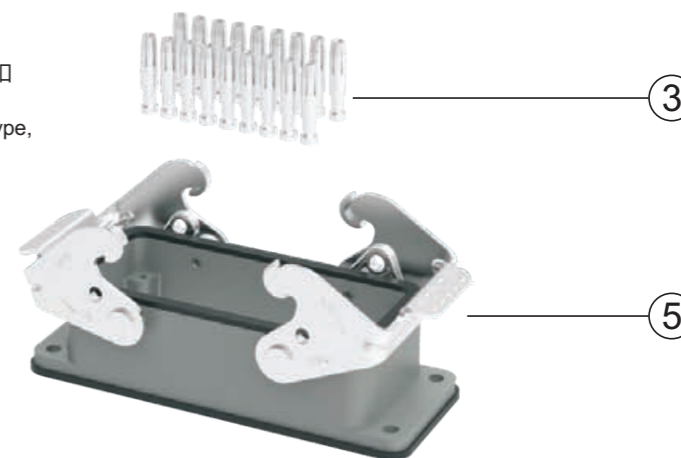
④ 公插体&母插体/Male insert & Female insert:

连接方式有螺钉压接，冷压压接，笼式连接，弹簧连接。
Male insert with screw connection or crimp connection or cage-clamp connection or push-in connection.



⑤ 防护外壳底座/Housing:

有开孔安装，表面安装及电缆对接：底座上锁扣方式有单扣或双扣及2耳、4耳的区分。
Bulkhead mounting,surface mounting or cable to cable type, with 1 or 2 locking levers and 2 or 4 locking points.

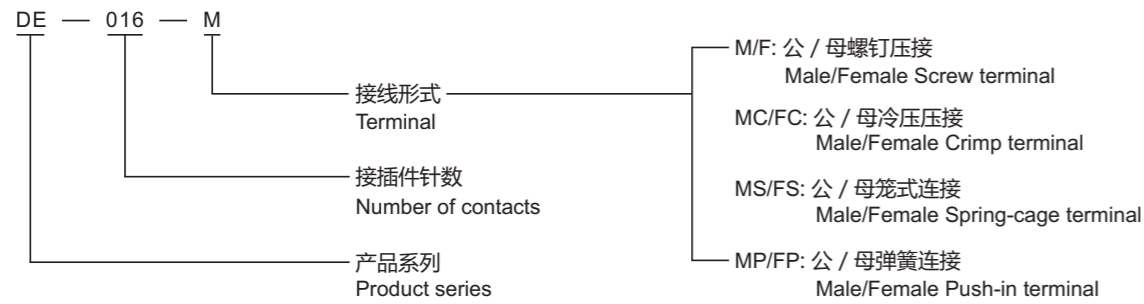


其他附件/Accessories:

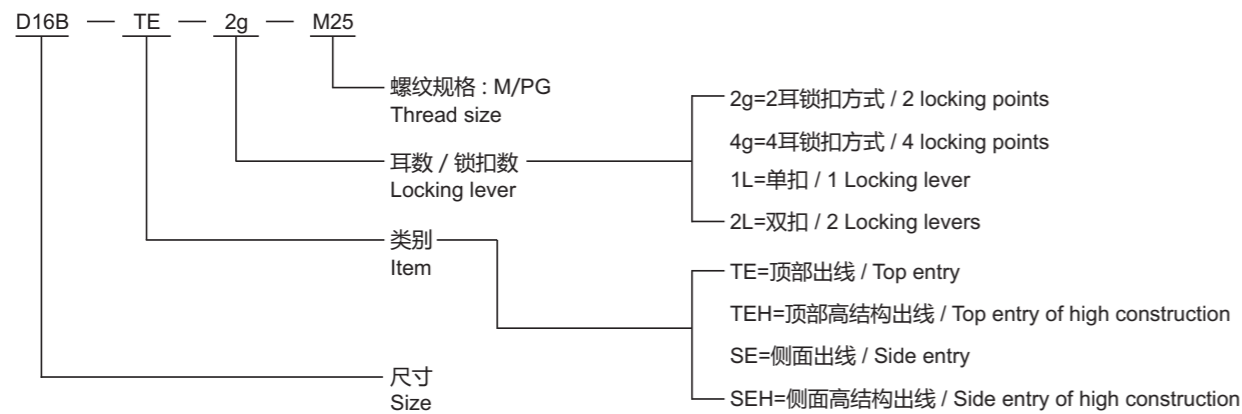
保护盖、编码销、工具。
protection covers/code and guide pins for coding/tools

选型指南 How to Order

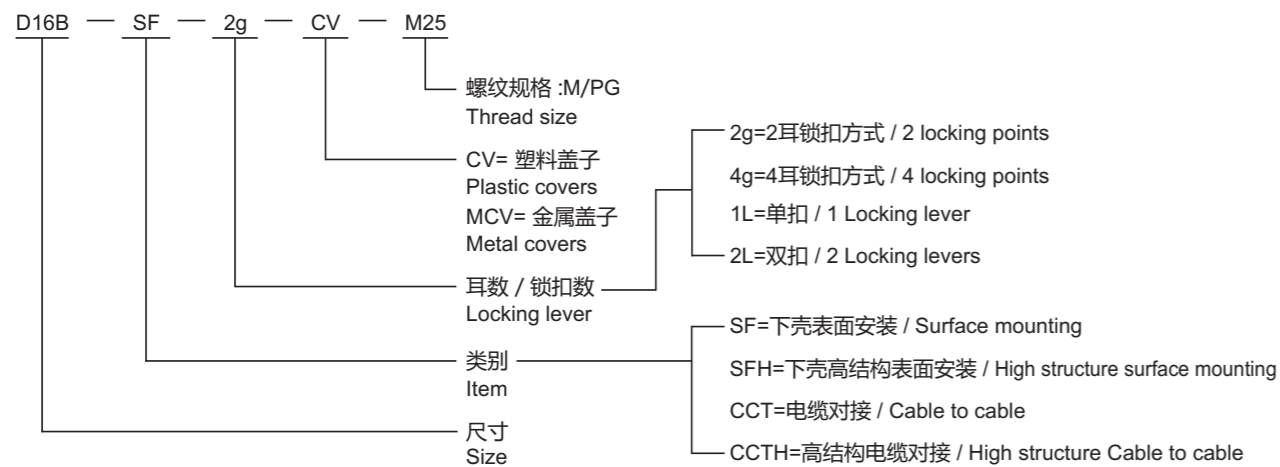
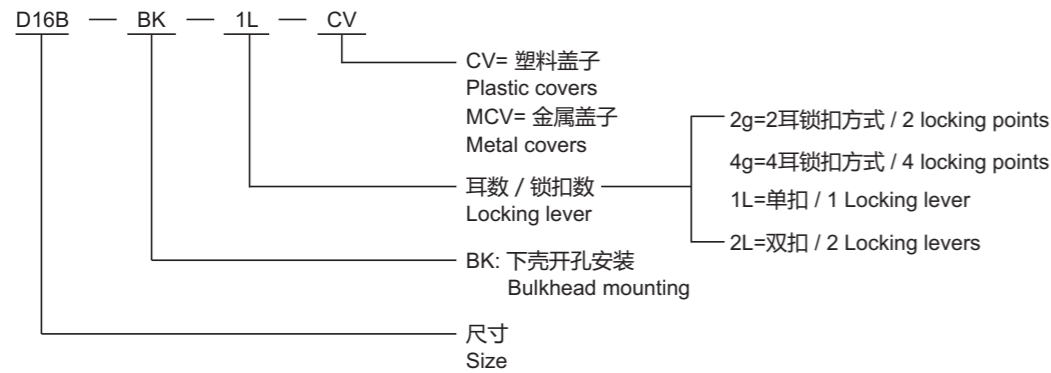
插体 Inserts



上壳 Hoods



下壳 Housings



A系列壳体系列对应的插芯 A Serie Housing Matched Contact Insert

	顶部进线 Top Entry	侧面进线 Side Entry					
3A							
	DA-003	DA-004	DD-007	DD-008	DQ-005	DQ-007	DQ-012
	3P+⊕ 10A 230/400V	4P+⊕ 10A 230/400V	7P+⊕ 10A 250V	8P 10A 50V	5P+⊕ 16A 230/400V	7P+⊕ 16A 400V	12P+⊕ 10A 400V
	开孔安装 Bulkhead Mounting	开口安装斜出 Bulkhead Mounting	面板安装 Bulkhead Mounting	面板安装 Bulkhead Mounting	电缆对接 Cable to Cable	电缆对接 Cable to Cable	

	顶部进线 Top Entry	侧面进线 Side Entry		
10A				
	DA-010	DD-015		
	10, 16, 32P+⊕ 16A 250V	15, 25, 50P+⊕ 10A 250V		
16A				
	DA-016	DD-025		
	10, 16, 32P+⊕ 16A 250V	15, 25, 50P+⊕ 10A 250V		
32A				
	DA-032	DD-050		
	10, 16, 32P+⊕ 16A 250V	15, 25, 50P+⊕ 10A 250V		
	开孔安装 Bulkhead Mounting	表面安装 Surface Mounting	电缆对接 Cable To Cable	

B系列壳体系列对应的插芯 B Serie Housing Matched Contact Insert

	顶部进线 Top Entry		侧面进线 Side Entry	
6B				
	24P+⊕ 10A 250V	6P+⊕ 16A 500V	10P+⊕ 16A 500V	2 modules
10B				
	42P+⊕ 10A 250V	10P+⊕ 16A 500V	18P+⊕ 16A 500V	32P+⊕ 16/10A 400/250V
16B				
	40P+⊕ 10A 250V	72P+⊕ 10A 250V	16P+⊕ 16A 500V	32P+⊕ 16A 500V
	6P+⊕ 80/16A 690/400V	14P+⊕ 40/10A 690/250V	6P+⊕ 35A 400/690V	4 modules
24B				
	64P+⊕ 10A 250V	108P+⊕ 10A 250V	24P+⊕ 16A 500V	46P+⊕ 16A 500V
	8P+⊕ 100A 690V	6 modules		
32B	适用于 DD-080, DDD-144, DE-032, DEE-064, DSB-012 插芯			
48B	适用于 DD-128, DDD-216, DE-048, DEE-092 插芯			
	开孔安装 Bulkhead Mounting	表面安装 Surface Mounting	电缆对接 Cable To Cable	

用外壳保护连接器 Housings Connector Insert Protection

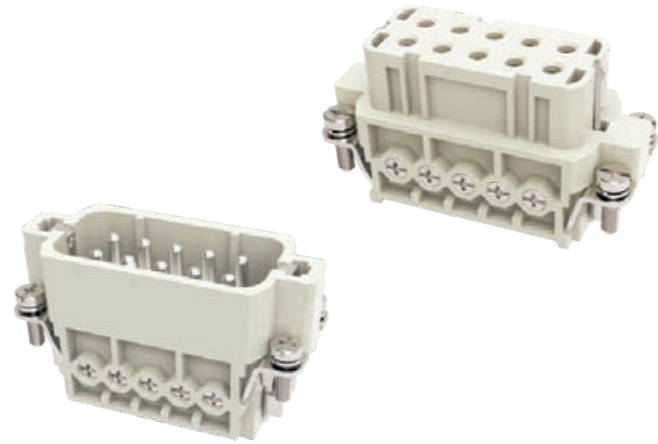
连接器上的外壳和联锁扣保护了自身的针位置免受外部机械损伤，比如冲击、异物、灰尘、无意的接触、湿气、水或洗涤剂、冷却液、油等其它立方体的浸入。外壳所能提供的防护等级是由 IEC60529 或 DIN EN60529 标准确定的，这些标准中包含了各种保护等级的划分情况。下图是保护等级一览表。按如下方式进行说明：

The connector's housing, sealing and locking mechanism protect the connection from external influences such as mechanical shocks, foreign bodies, humidity, dust, water or other fluids such as cleaning and cooling agents, oils, etc. The degree of protection the housing offers is explained in the IEC60529, DIN EN60529, standards that categorize enclosures according to foreign body and water protection.

字母代号 Code letters 第一个数字 First Index Figure 第二个数字 Second Index Figure
(International protection) (防固体异物保护 Foreign bodies protection) (防水保护 Water protection)

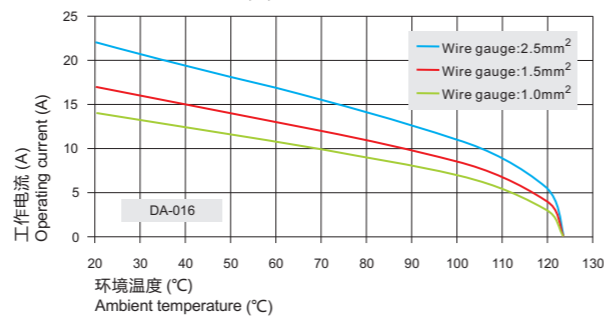
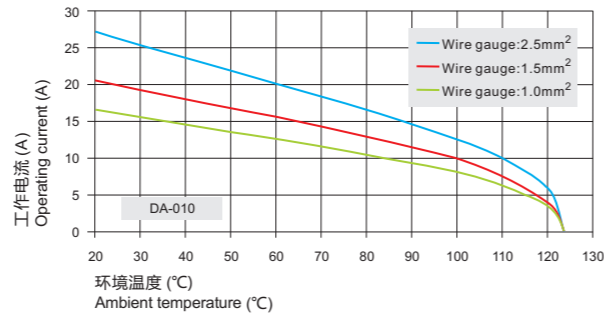
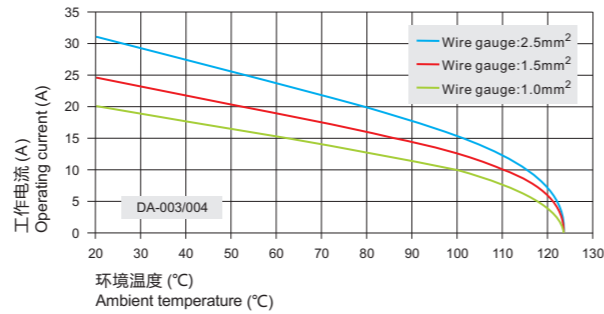
数字 Index figure	保护范围 Index figure	数字 Index figure	保护范围 Index figure
0	无安全防护 No protection	0	无防水保护 No protection against water
1	防大异物保护 Protection against large foreign bodies	1	防滴水保护 Drip-proof
2	防中等大小异物保护 Protection against medium sized foreign bodies	2	防倾斜滴水保护 Drip-proof
3	防小异物保护 Protection against small solid foreign bodies	3	防河水保护 Spray-proof
4	防颗粒状异物保护 Protection against grain-shaped foreign bodies	4	防喷水保护 Splash-proof
5	防尘沉积保护 Protection against injurious deposits of dust	5	防射水保护 Hose-proof
6	防尘进入保护 Protection against ingress of dust	6	超强防射水保护 Strong hose-proof
		7	防浸水保护 Protection against immersion
		8	防潜水保护 Protection water tight

DA Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
接插件针数 Number of contacts	3,4,10,16,32(2X16)+PE
DA-003/004	
• 额定电流 Rated current	10A
• 相对地额定电压 Rated voltage conductor-ground	230V
• 相间额定电压 Rated voltage conductor-conductor	400V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
• 或 or	10A 250V 4KV 3
DA-010/016	
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	16A 230/400V 4KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	1-2.5mm ²
• AWG	18-14
• 拧紧力矩 Tightening torque	0.25Nm(DA-003/004) or 0.5Nm(DA-010/016)
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-4mm ²
• AWG	26-12
弹片连接 Cage-clamp	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DA-003/004 小型插芯 The Slim Inserts 230V/400V 10A 3/4+ ⊕

外壳尺寸：匹配 3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DA-003-M	DA-003-F	0.75-1.5	18-14	尺寸图及孔位图 Dimension and hole site
弹片连接 Cage-clamp 	DA-003-MS	DA-003-FS	0.5-2.5	20-14	尺寸图及孔位图 Dimension and hole site
螺丝连接 Screw terminal 	DA-004-M	DA-004-F	0.75-1.5	18-14	尺寸图及孔位图 Dimension and hole site
弹片连接 Cage-clamp 	DA-004-MS	DA-004-FS	0.5-2.5	20-14	尺寸图及孔位图 Dimension and hole site

DA-010 小型插芯 The Slim Inserts 250V 16A 10+ \oplus

外壳尺寸：匹配 10A 外壳，请参考 P92 页 Hoods/Housings: Matching 10A Hoods Housing, detail on P92

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DA-010-M	DA-010-F	0.75-2.5	18-14	接插体之间的最大距离24mm Distance for contact max.24mm
冷压连接 Crimp terminal 	DA-010-MC	DA-010-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts		Male		Female	
Material: Copper alloy					
Contact resistance $\leq 1m\Omega$					
Matching: DA, DE, DEE, DM, DK inserts					
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DA-016 小型插芯 The Slim Inserts 250V 16A 16+ \oplus

外壳尺寸：匹配 16A 外壳，请参考 P93 页 Hoods/Housings: Matching 16A Hoods Housing, detail on P93

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DA-016-M	DA-016-F	0.75-2.5	18-14	接插体之间的最大距离24mm Distance for contact max.24mm
冷压连接 Crimp terminal 	DA-016-MC	DA-016-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts		Male		Female	
Material: Copper alloy					
Contact resistance $\leq 1m\Omega$					
Matching: DA, DE, DEE, DM, DK inserts					
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0


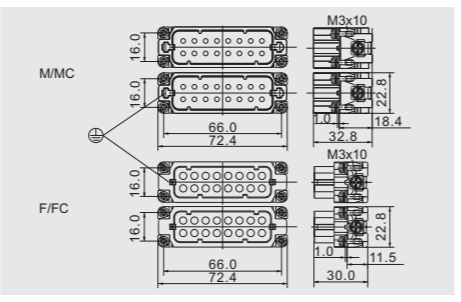

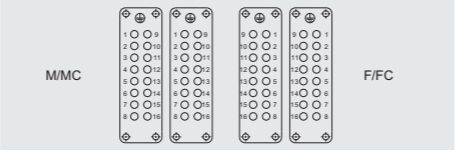
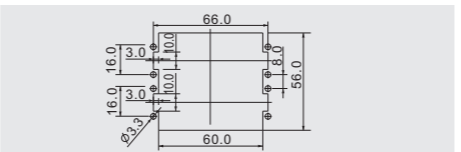


退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DA-032 小型插芯 The Slim Inserts 250V 16A 32+ \oplus

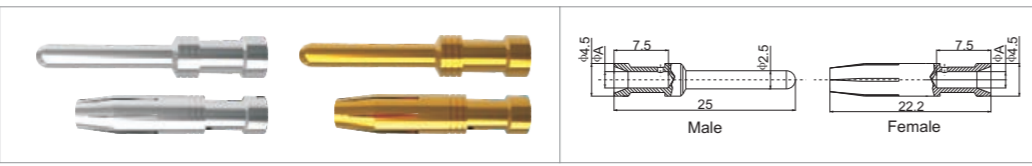
外壳尺寸：匹配 32A 外壳，请参考 P94-95 页 Hoods/Housings: Matching 32A Hoods Housing, detail on P94-95

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DA-032-M	DA-032-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm 
冷压连接 Crimp terminal 	DA-032-MC	DA-032-FC	0.14-4.0	26-14	接插针排序 Contacts arrangement for termination side  面孔安装开孔图 Panel cut out for use without Hoods/housings 

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts
Material: Copper alloy
Contact resistance $\leq 1\text{m}\Omega$
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

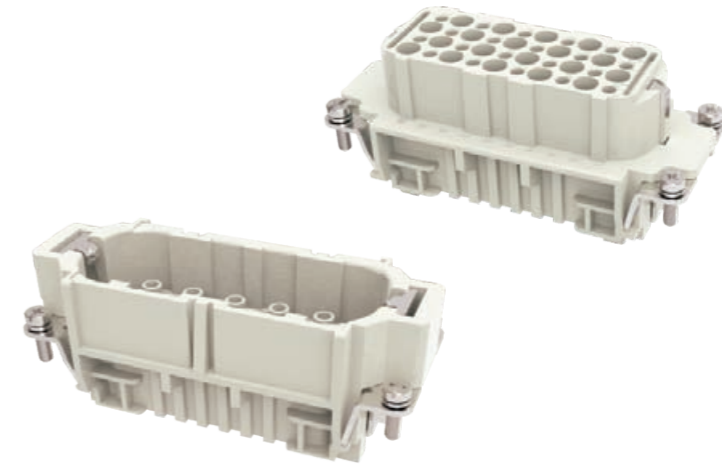
压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
型号 Type: TL1-4.0



退针器 Removal tool

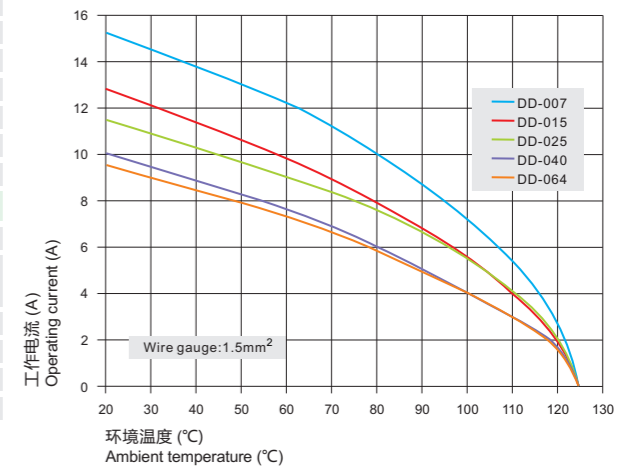
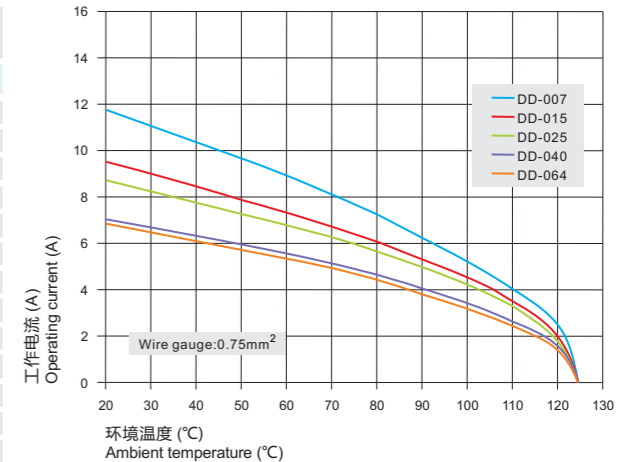
适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type: RT-16A

DD Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据 EN 61 984 的额定电压 Electrical data acc. To EN 61 984	
接插件针数 Number of contacts	7, 15, 25, 40, 50, (25X2), 64, 80, (40X2), 128, (64X2) + PE
· 额定电流 Rated current	10A
· 额定电压 Rated voltage	250V
· 额定脉冲电压 Rated impulse voltage	4KV
· 污染程度 Pollution degree	3
· 污染等级 2 时的参数 Pollution degree 2 also	10A 230/400V 4KV 2
依据 UL/CSA 额定电压 Rated voltage acc. to UL CSA	600V
DD-008	
· 额定电流 Rated current	10A
· 额定电压 Rated voltage	~50V/-120V
· 额定脉冲电压 Rated impulse voltage	0.8KV
· 污染程度 Pollution degree	3
· 依据 UL/CSA 额定电压 Rated voltage acc. to UL CSA	50V
· 额定电压 (直流电压) Rated voltage (DC voltage)	120V
绝缘电阻 Insulation resistance	$\geq 10^{10} \Omega$
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~ +125 °C
依据 UL 94 阻燃等级 Flammability acc. to UL 94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	$\leq 3\text{m}\Omega$
冷压连接 Crimp terminal	
· 导线规格 Wire gauge	0.14-2.5mm ²
· AWG	26-14




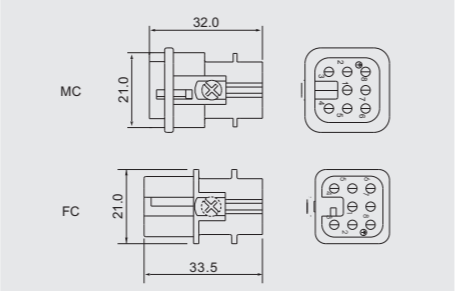

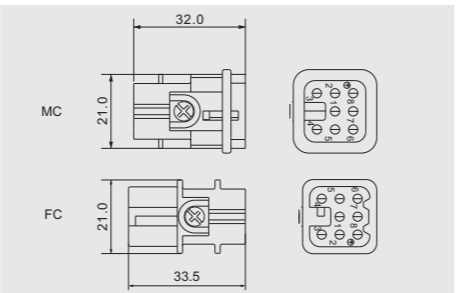
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据 DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DD-007 超高密度型插芯 Ultra-high Density Inserts 250V 10A 7+ ⊕
DD-008 超高密度型插芯 Ultra-high Density Inserts -120V/ ~ 50V 10A 8+ ⊕

外壳尺寸：匹配 3A 外壳，请参考 P90-91 页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

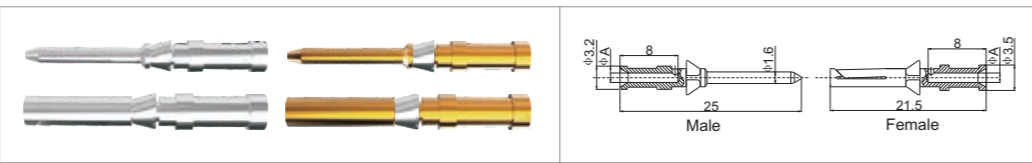
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
冷压连接 Crimp terminal 	DD-007-MC	DD-007-FC	0.14-2.5	26-14	尺寸图及孔位图 Dimension and hole site 
冷压连接 Crimp terminal 	DD-008-MC	DD-008-FC	0.14-2.5	26-14	尺寸图及孔位图 Dimension and hole site 

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 3mΩ
 Matching: DD,DDD,DM,DK,DQ inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools

冷压钳 Crimping tool


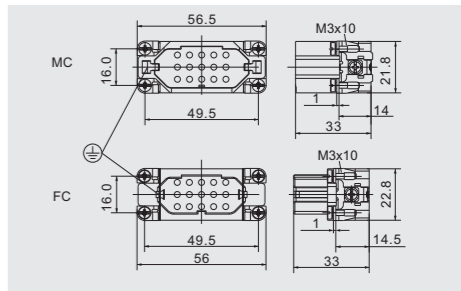
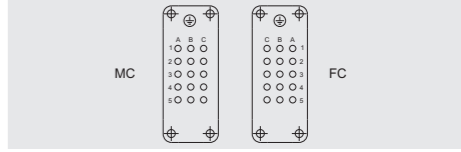
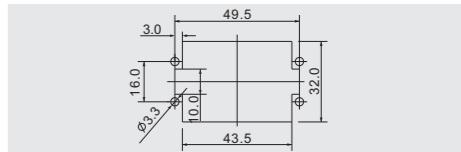
 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
 型号 Type : RT-10A

DD-015 超高密度插芯 Ultra-high Density Inserts 250V 10A 15+ ⊕

外壳尺寸：匹配 10A 外壳，请参考 P92 页 Hoods/Housings: Matching 10A Hoods Housing, detail on P92

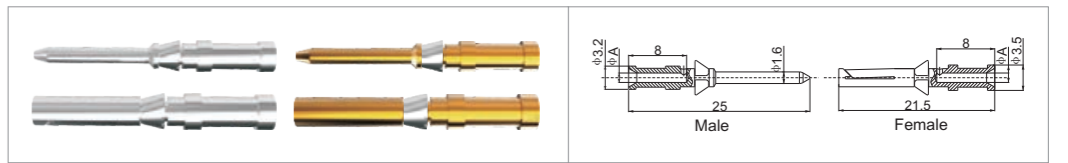
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
冷压连接 Crimp terminal 	DD-015-MC	DD-015-FC	0.14-2.5	26-14	接插体之间的最大距离 24mm Distance for contact max. 24mm  接插针排序 Contacts arrangement view for termination side  面孔安装开孔图 Panel cut out for use without Hoods/housings 

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 3mΩ
 Matching: DD,DDD,DM,DK,DQ inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools

冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
 型号 Type : RT-10A

DD-025 超高密度插芯 Ultra-high Density Inserts 250V 10A 25+ \pm

外壳尺寸：匹配 16A 外壳，请参考 P93 页 Hoods/Housings: Matching 16A Hoods Housing, detail on P93

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-025-MC	DD-025-FC	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts
Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL-1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DD-040 超高密度插芯 Ultra-high Density Inserts 250V 10A 40+ \pm

外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-040-MC	DD-040-FC	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts
Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL-1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DD-050 超高密度插芯 Ultra-high Density Inserts 250V 10A 50+ \oplus

外壳尺寸：匹配 32A 外壳，请参考 P94-95 页 Hoods/Housings: Matching 32A Hoods Housing, detail on P94-95

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-050-MC (2X25)	DD-050-FC (2X25)	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

 选择冷压连接时，需要另外配针，如下附件：
 When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

工具 Tools

冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL-1-4.0

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
 型号 Type : RT-10A

DD-064 超高密度插芯 Ultra-high Density Inserts 250V 10A 64+ \oplus

外壳尺寸：匹配 24B 外壳，请参考 P110-115 页 Hoods/Housings: Matching 24B Hoods Housing, detail on P110-115

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-064-MC	DD-064-FC	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

 选择冷压连接时，需要另外配针，如下附件：
 When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

工具 Tools

冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL-1-4.0

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
 型号 Type : RT-10A

DD-080 超高密度插芯 Ultra-high Density Inserts 250V 10A 80+⊕

外壳尺寸：匹配 32B 外壳，请参考 P116-117 页 Hoods/Housings: Matching 32B Hoods Housing, detail on P116-117

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-080-MC (2X40)	DD-080-FC (2X40)	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

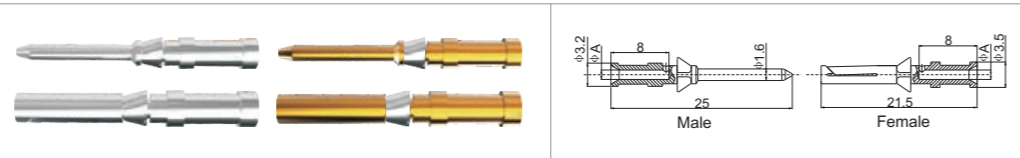
附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

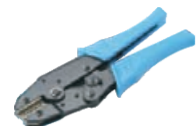
(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DD-128 超高密度插芯 Ultra-high Density Inserts 250V 10A 128+⊕

外壳尺寸：匹配 48B 外壳，请参考 P118 页 Hoods/Housings: Matching 48B Hoods Housing, detail on P118

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DD-128-MC (2X64)	DD-128-FC (2X64)	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

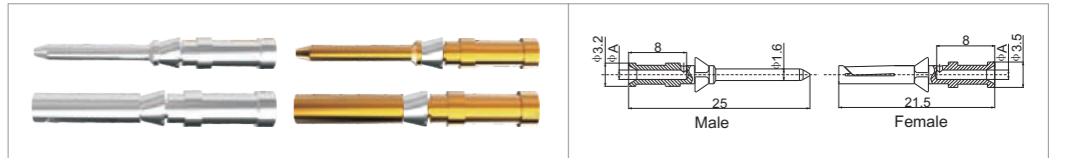
附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

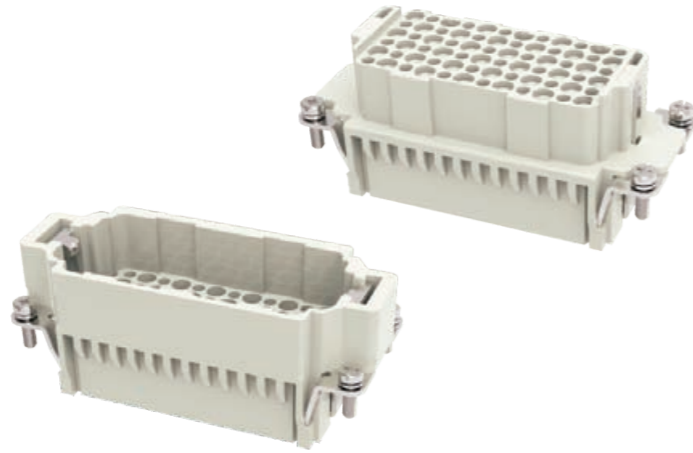
压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

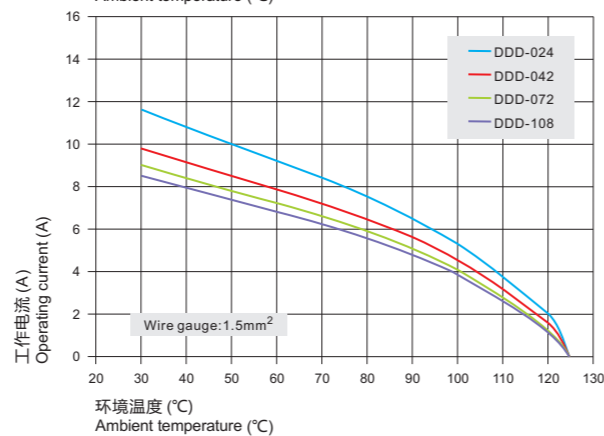
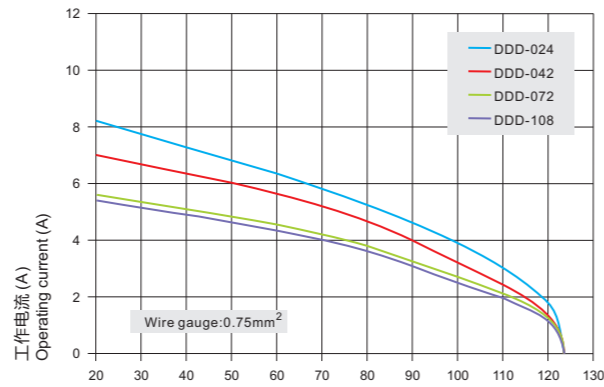
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DDD Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	24,42,72,108,144(72X2),216(108X2)+PE
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	10A 230/400V 4KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	$\geq 10^{10} \Omega$
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	$\leq 3m \Omega$
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DDD-024 超高密度插芯 Ultra-high Density Inserts 250V 10A 24+⊕

外壳尺寸：匹配6B外壳，请参考P96-97页 Hoods/Housings: Matching 6B Hoods Housing, detail on P96-97

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
冷压连接 Crimp terminal	DDD-024-MC	DDD-024-FC	0.14-2.5	26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts
 Material: Copper alloy
 Contact resistance $\leq 3m\Omega$
 Matching: DD,DDD,DM,DK,DQ Inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools

冷压钳 Crimping tool	退针器 Removal tool
压接线径 Wire gauge : 0.5~4.0mm ² (AWG 20-12)	适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : TL1-4.0	型号 Type : RT-10A

DDD-042 超高密度插芯 Ultra-high Density Inserts 250V 10A 42+ \pm

外壳尺寸：匹配 10B 外壳，请参考 P98-103 页 Hoods/Housings: Matching 10B Hoods Housing, detail on P98-103

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DDD-042-MC	DDD-042-FC	0.14-2.5	26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts
Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD, DDD, DM, DK, DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL-1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DDD-072 超高密度插芯 Ultra-high Density Inserts 250V 10A 72+ \pm

外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DDD-072-MC	DDD-072-FC	0.14-2.5	26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts
Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD, DDD, DM, DK, DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL-1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DDD-108 超高密度插芯 Ultra-high Density Inserts 250V 10A 108+ \oplus

外壳尺寸：匹配 24B 外壳，请参考 P110-115 页 Hoods/Housings: Matching 24B Hoods Housing, detail on P110-115

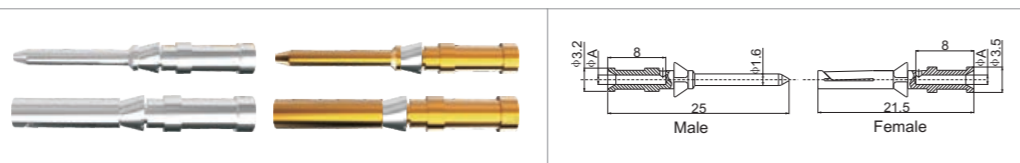
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DDD-108-MC	DDD-108-FC	0.14-2.5	26-14	<p>接插体之间的最大距离24mm Distance for contact max.24mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5-4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DDD-144 超高密度插芯 Ultra-high Density Inserts 250V 10A 144+ \oplus

外壳尺寸：匹配 32B 外壳，请参考 P116-117 页 Hoods/Housings: Matching 32B Hoods Housing, detail on P116-117

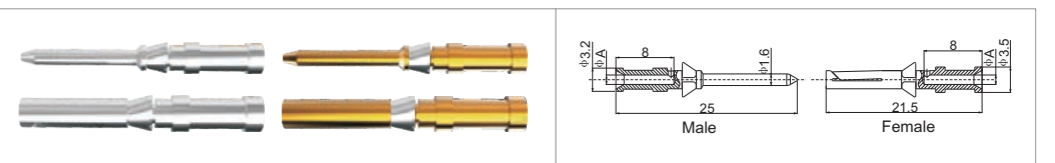
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DDD-144-MC	DDD-144-FC	0.14-2.5	26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance $\leq 3m\Omega$
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5-4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type : RT-10A

DDD-216 超高密度插芯 Ultra-high Density Inserts 250V 10A 216+ ⊕

外壳尺寸：匹配 48B 外壳，请参考 P118 页 Hoods/Housings: Matching 48B Hoods Housing, detail on P118

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DDD-216-MC	DDD-216-FC	0.14-2.5	26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD, DDD, DM, DK, DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

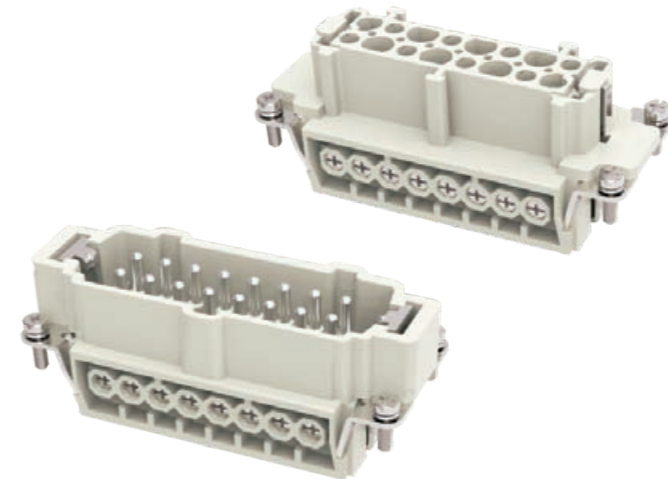
压接线径 Wire gauge: 0.5-4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

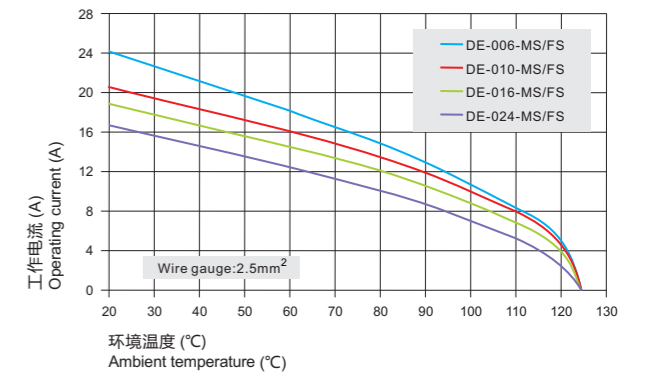
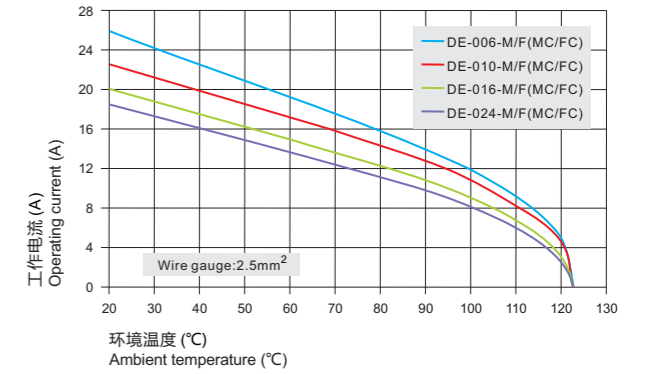
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A

DE Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件件数 Number of contacts	6,10,16,24,32(2X16),48(2X24)+PE
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	500V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	16A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
• 拧紧力矩 Tightening torque	0.5Nm
• 剥线长度 Stripping length	7mm
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-4mm ²
• AWG	26-12
• 剥线长度 Stripping length	7.5mm
弹片连接 Cage-clamp	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
• 剥线长度 Stripping length	7-9mm



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DE-006 常规型插芯 Standard Inserts 500V 16A 6+⊕

外壳尺寸：匹配6B外壳，请参考P96-97页 Hoods/Housings: Matching 6B Hoods Housing, detail on P96-97

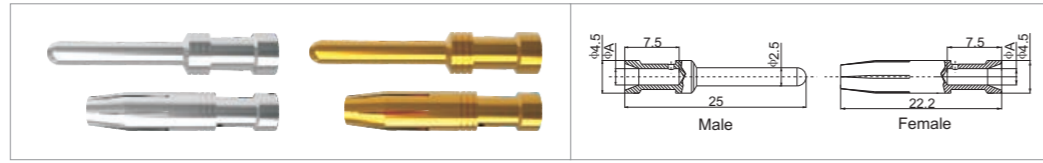
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-006-M	DE-006-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm
冷压连接 Crimp terminal 	DE-006-MC	DE-006-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side
弹片连接 Cage-clamp 	DE-006-MS	DE-006-FS	0.14-2.5	26-14	面孔安装开孔图 Panel cut out for use without Hoods/housings

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 1mΩ
 Matching: DA, DE, DEE, DM, DK inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0


退针器 Removal tool

 适用类型 For: 16A 冷压针 16A Crimp contacts
 型号 Type : RT-16A

DE-010 常规型插芯 Standard Inserts 500V 16A 10+⊕

外壳尺寸：匹配10B外壳，请参考P98-103页 Hoods/Housings: Matching 10B Hoods Housing, detail on P98-103

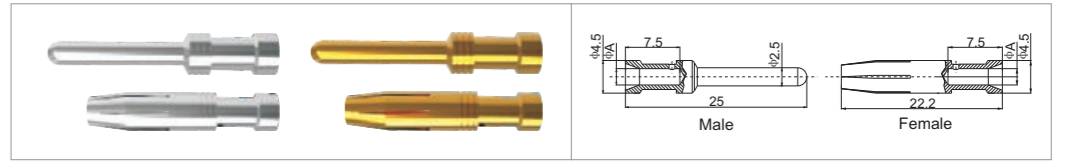
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-010-M	DE-010-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm
冷压连接 Crimp terminal 	DE-010-MC	DE-010-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side
弹片连接 Cage-clamp 	DE-010-MS	DE-010-FS	0.14-2.5	26-14	面孔安装开孔图 Panel cut out for use without Hoods/housings

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 1mΩ
 Matching: DA, DE, DEE, DM, DK inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0


退针器 Removal tool

 适用类型 For: 16A 冷压针 16A Crimp contacts
 型号 Type : RT-16A

DE-016 常规型插芯 Standard Inserts 500V 16A 16+ \oplus

外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-016-M	DE-016-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm 接插针排序 Contacts arrangement view for termination side 面孔安装开孔图 Panel cut out for use without Hoods/housings
冷压连接 Crimp terminal 	DE-016-MC	DE-016-FC	0.14-4.0	26-12	
弹片连接 Cage-clamp 	DE-016-MS	DE-016-FS	0.14-2.5	26-14	

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:



Contacts, silver-plated		Contacts, gold plated		ϕ A	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DE-024 常规型插芯 Standard Inserts 500V 16A 24+ \oplus

外壳尺寸：匹配 24B 外壳，请参考 P110-115 页 Hoods/Housings: Matching 24B Hoods Housing, detail on P110-115

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-024-M	DE-024-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm 接插针排序 Contacts arrangement view for termination side 面孔安装开孔图 Panel cut out for use without Hoods/housings
冷压连接 Crimp terminal 	DE-024-MC	DE-024-FC	0.14-4.0	26-12	
弹片连接 Cage-clamp 	DE-024-MS	DE-024-FS	0.14-2.5	26-14	

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:



Contacts, silver-plated		Contacts, gold plated		ϕ A	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DE-032 常规型插芯 Standard Inserts 500V 16A 32+⊕

外壳尺寸：匹配32B外壳，请参考P116-117页 Hoods/Housings: Matching 32B Hoods Housing, detail on P116-117

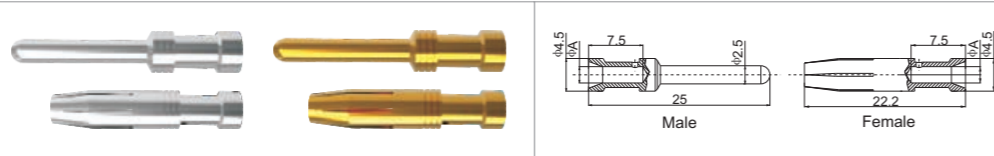
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-032-M	DE-032-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm
冷压连接 Crimp terminal 	DE-032-MC	DE-032-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side
弹片连接 Cage-clamp 	DE-032-MS	DE-032-FS	0.14-2.5	26-14	面孔安装开孔图 Panel cut out for use without Hoods/housings

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 1mΩ
 Matching: DA, DE, DEE, DM, DK inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0


退针器 Removal tool

 适用类型 For: 16A 冷压针 16A Crimp contacts
 型号 Type : RT-16A

DE-048 常规型插芯 Standard Inserts 500V 16A 48+⊕

外壳尺寸：匹配48B外壳，请参考P118页 Hoods/Housings: Matching 48B Hoods Housing, detail on P118

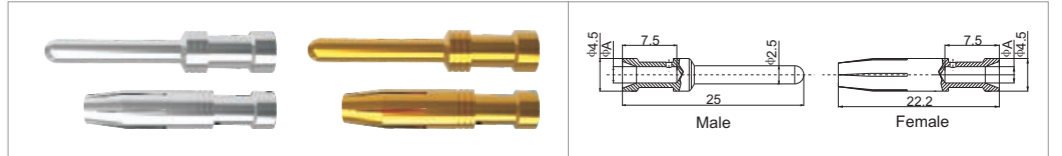
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
螺丝连接 Screw terminal 	DE-048-M	DE-048-F	0.75-2.5	18-14	接插体之间的最大距离21mm Distance for contact max.21mm
冷压连接 Crimp terminal 	DE-048-MC	DE-048-FC	0.14-4.0	26-12	接插针排序 Contacts arrangement view for termination side
弹片连接 Cage-clamp 	DE-048-MS	DE-048-FS	0.14-2.5	26-14	面孔安装开孔图 Panel cut out for use without Hoods/housings

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

 Material: Copper alloy
 Contact resistance ≤ 1mΩ
 Matching: DA, DE, DEE, DM, DK inserts
 Surface: Gold/silver plated
 Terminal: Crimp connection


Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



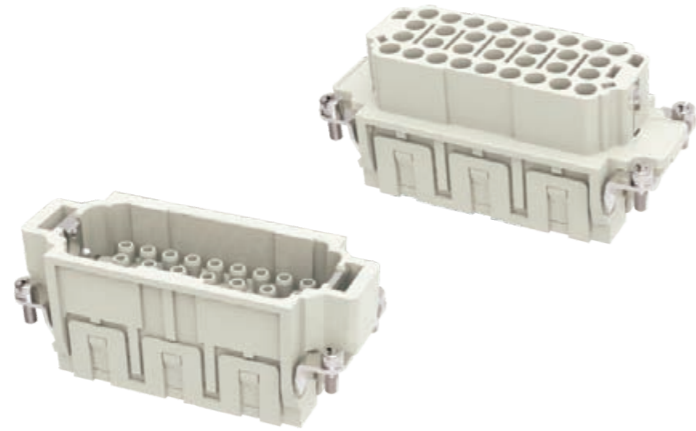
冷压钳 Crimping tool

 压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
 型号 Type : TL1-4.0


退针器 Removal tool

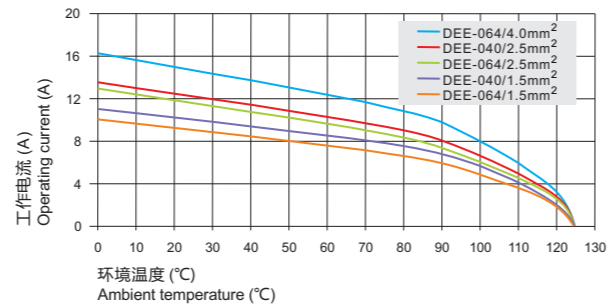
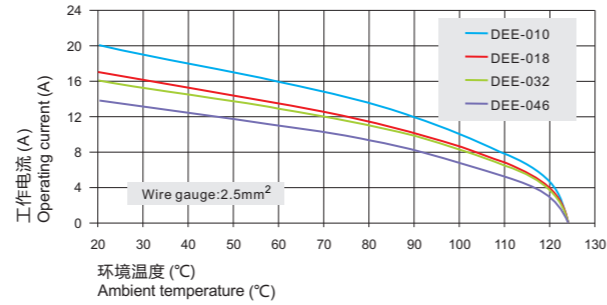
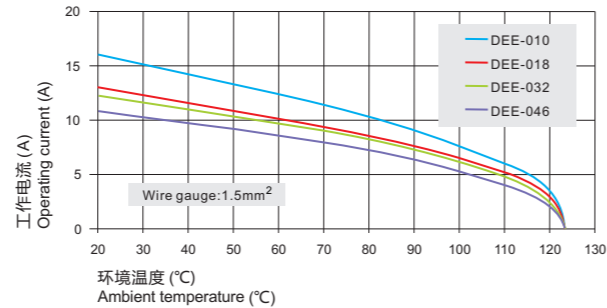
 适用类型 For: 16A 冷压针 16A Crimp contacts
 型号 Type : RT-16A

DEE - Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	10,18,32,46,64(2X32),92(2X46)+PE
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	500V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	16A 830V 8KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-4mm ²
• AWG	26-12
• 剥线长度 Stripping length	7.5mm



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DEE-010 高密度插芯 High-density Inserts 500V 16A 10+⊕

外壳尺寸：匹配6B外壳，请参考P96-97页 Hoods/Housings: Matching 6B Hoods Housing, detail on P96-97

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
冷压连接 Crimp terminal	DEE-010-MC	DEE-010-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



DEE-018 高密度插芯 High-density Inserts 500V 16A 18+ \pm

外壳尺寸：匹配 10B 外壳，请参考 P98-103 页 Hoods/Housings: Matching 10B Hoods Housing, detail on P98-103

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DEE-018-MC	DEE-018-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts		Male		Female	
Material: Copper alloy					
Contact resistance $\leq 1m\Omega$					
Matching: DA, DE, DEE, DM, DK inserts					
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DEE-032 高密度插芯 High-density Inserts 500V 16A 32+ \pm

外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DEE-032-MC	DEE-032-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts		Male		Female	
Material: Copper alloy					
Contact resistance $\leq 1m\Omega$					
Matching: DA, DE, DEE, DM, DK inserts					
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		ϕ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DEE-046 高密度插芯 High-density Inserts 500V 16A 46+

外壳尺寸：匹配 24B 外壳，请参考 P110-115 页 Hoods/Housings: Matching 24B Hoods Housing, detail on P110-115

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DEE-046-MC	DEE-046-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

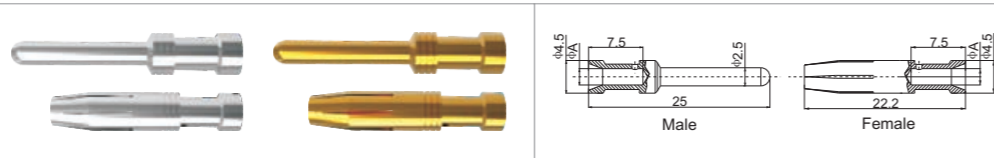
附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 1mΩ
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DEE-064 高密度插芯 High-density Inserts 500V 16A 64+

外壳尺寸：匹配 32B 外壳，请参考 P116-117 页 Hoods/Housings: Matching 32B Hoods Housing, detail on P116-117

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DEE-064-MC	DEE-064-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

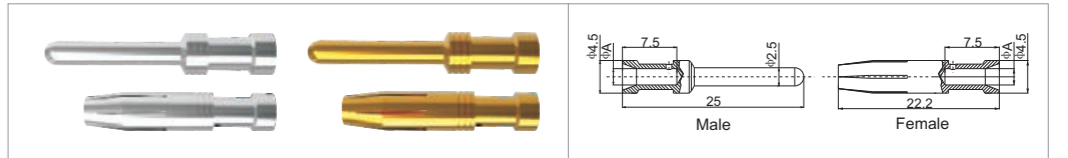
附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 1mΩ
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DEE-092 高密度插芯 High-density Inserts 500V 16A 92+⊥

外壳尺寸：匹配48B外壳，请参考P118页 Hoods/Housings: Matching 48B Hoods Housing, detail on P118

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DEE-092-MC	DEE-092-FC	0.14-4.0	26-12	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts
Material: Copper alloy
Contact resistance ≤ 1mΩ
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge: 0.5-4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

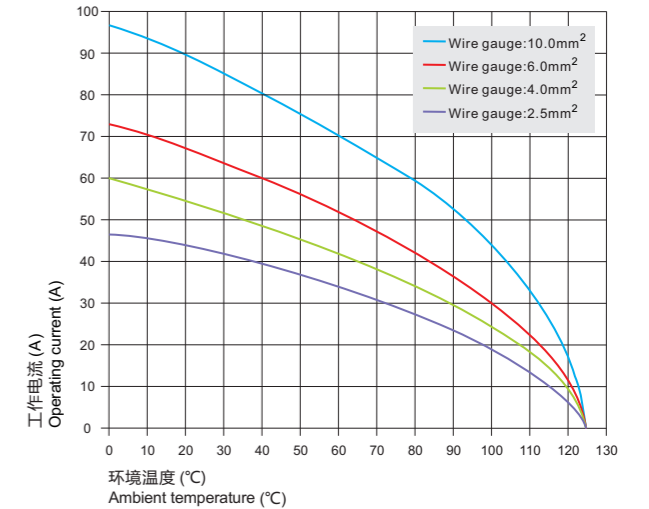
适用类型 For: 16A冷压针 16A Crimp contacts
型号 Type: RT-16A

DQ Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	2+PE
• 额定电流 Rated current	40A
• 额定电压 Rated voltage	830V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	2.5-10mm ²
• AWG	14-8
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DQ-002 紧凑小体积型插芯 Compact Series 830V 40A 2+ ⊕

外壳尺寸：匹配3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

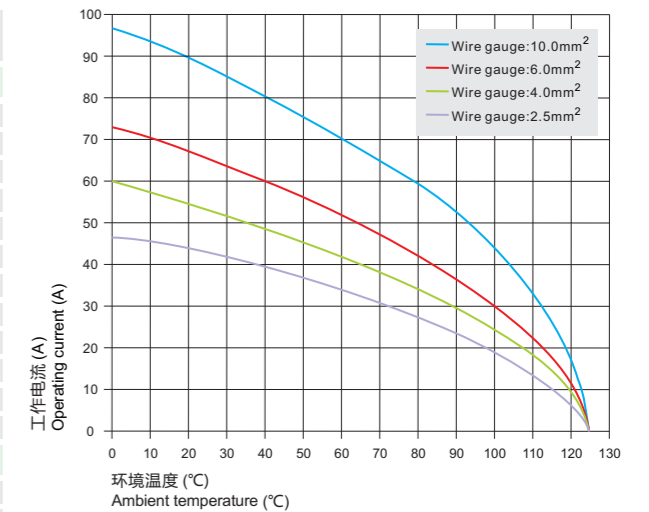
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>轴向螺栓连接 Axial screw terminal</p>	DQ-002-M (2.5-6mm ²)	DQ-002-F (2.5-6mm ²)	2.5-6	14-10	<p>尺寸图及孔位图 Dimension and hole site</p>
	DQ-002-M (4-10mm ²)	DQ-002-F (4-10mm ²)	4-10	12-8	<p>尺寸图及孔位图 Dimension and hole site</p>

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	2+PE
• 额定电流 Rated current	40A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	2.5-10mm ²
• AWG	14-8
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14




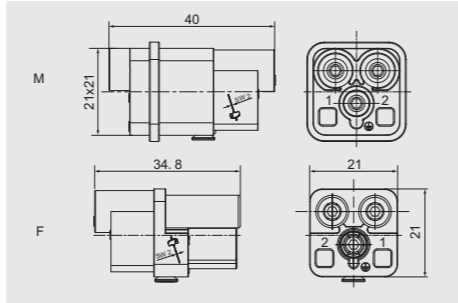
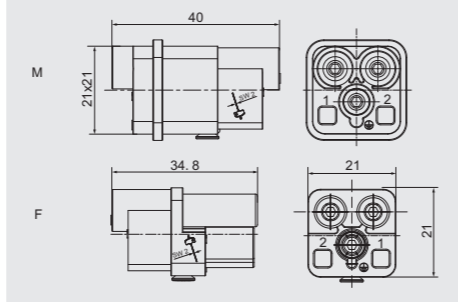
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DQV-002 紧凑小体积型插芯 Compact Series 400V 40A 2+⊕

外壳尺寸：匹配3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

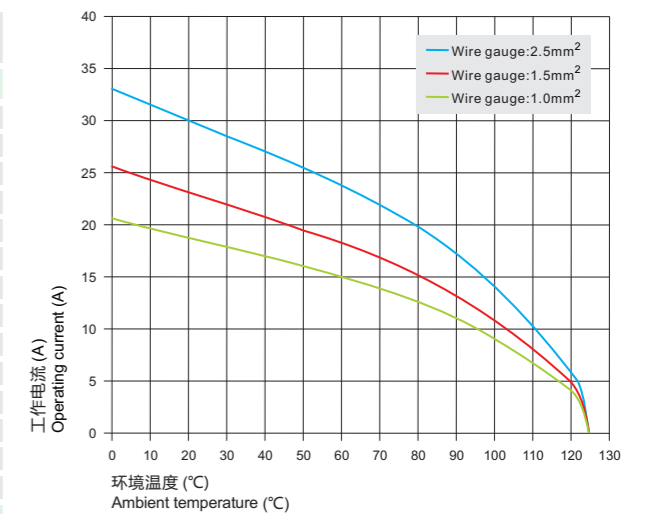
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
轴向螺钉连接 Axial screw terminal 	DQV-002-M (2.5-6mm ²)	DQV-002-F (2.5-6mm ²)	2.5-6	14-10	尺寸图及孔位图 Dimension and hole site 
	DQV-002-M (4-10mm ²)	DQV-002-F (4-10mm ²)	4-10	12-8	尺寸图及孔位图 Dimension and hole site 

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	5+PE
• 额定电流 Rated current	16A
• 相对地额定电压 Rated voltage conductor-ground	230V
• 相间额定电压 Rated voltage conductor-conductor	400V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	16A 320/500V 4KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DQ-005 紧凑小体积型插芯 Compact Series 230V/400V 16A 5+⊕

外壳尺寸：匹配3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DQ-005-MC	DQ-005-FC	0.14-2.5	26-14	<p>尺寸图及孔位图 Dimension and hole site</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 1mΩ
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL-1-4.0



退针器 Removal tool

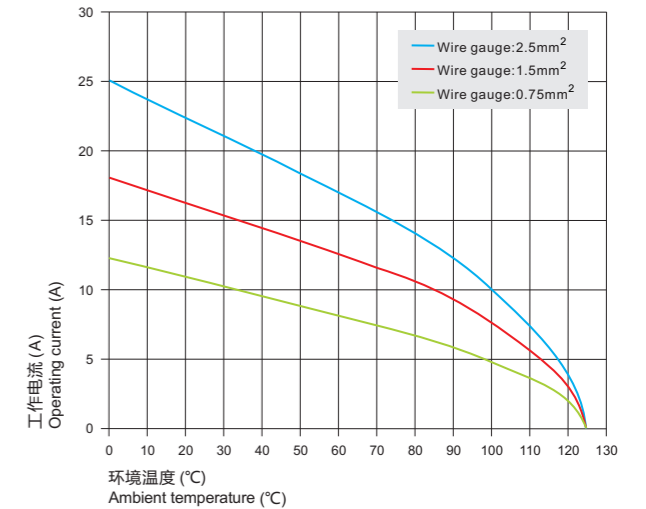
适用类型 For: 16A 冷压针 16A Crimp contacts
型号 Type : RT-16A

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	7+PE
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	10A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DQ-007 紧凑小体积型插芯 Compact Series 400V 10A 7+⊕

外壳尺寸：匹配3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

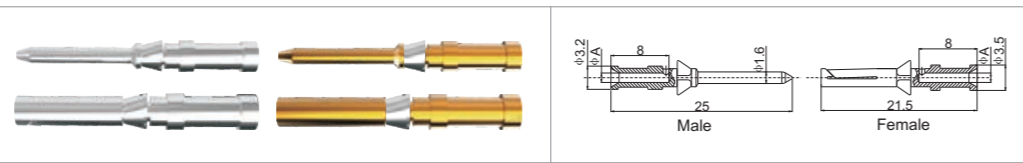
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DQ-007-MC	DQ-007-FC	0.14-2.5	26-14	<p>尺寸图及孔位图 Dimension and hole site</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

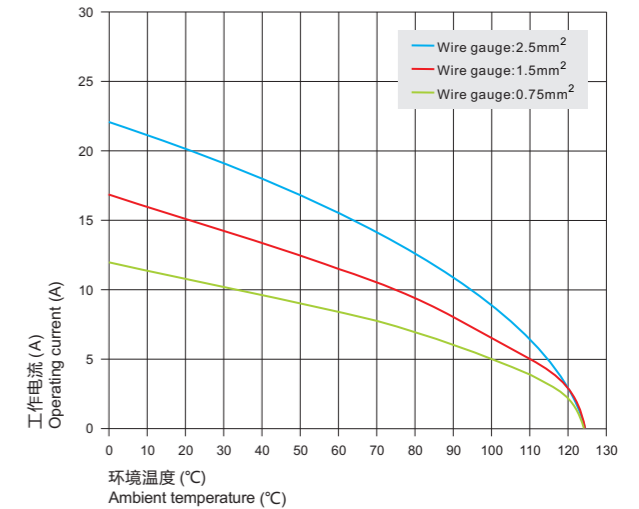
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	12+PE
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	10A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DQ-012 紧凑小体积型插芯 Compact Series 400V 10A 12+⊕

外壳尺寸：匹配3A外壳，请参考P90-91页 Hoods/Housings: Matching 3A Hoods Housing, detail on P90-91

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DQ-012-MC	DQ-012-FC	0.14-2.5	26-14	<p>尺寸图及孔位图 Dimension and hole site</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

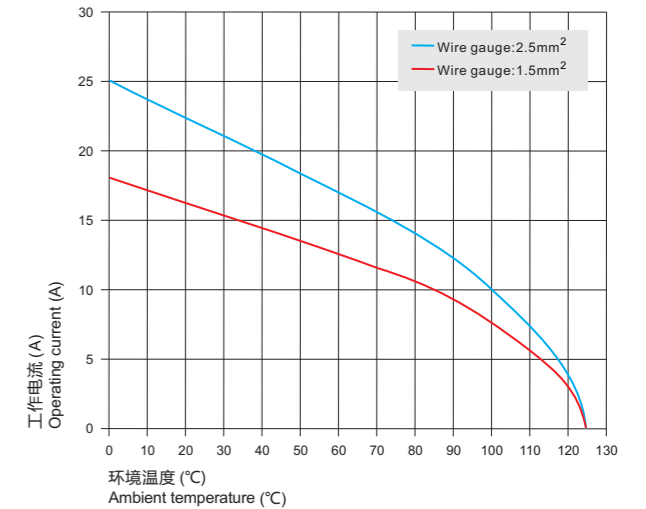
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	8+PE
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	500V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	16A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-4mm ²
• AWG	26-12
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14




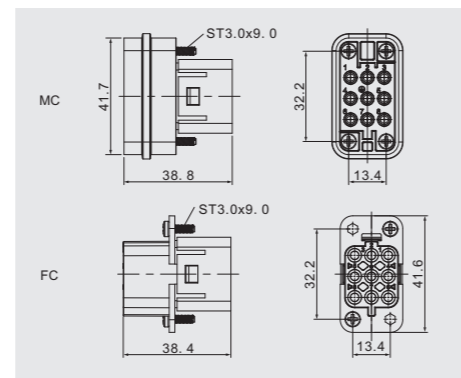
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DQ-008 紧凑小体积型插芯 Compact Series 500V 16A 8+⊕

外壳尺寸：匹配DC外壳，请参考P119页 Hoods/Housings: Matching DC Hoods Housing, detail on P119

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
 冷压连接 Crimp terminal	DQ-008-MC	DQ-008-FC	0.14-4	26-12	尺寸图及孔位图 Dimension and hole site 

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(16A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 1mΩ
Matching: DA, DE, DEE, DM, DK inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ (A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
16A-SM-0.37	16A-SF-0.37	16A-GM-0.37	16A-GF-0.37	0.9	0.14-0.37	26-22	7.5mm
16A-SM-0.5	16A-SF-0.5	16A-GM-0.5	16A-GF-0.5	1.1	0.50	20	7.5mm
16A-SM-0.75	16A-SF-0.75	16A-GM-0.75	16A-GF-0.75	1.3	0.75	18	7.5mm
16A-SM-1.0	16A-SF-1.0	16A-GM-1.0	16A-GF-1.0	1.45	1.00	18	7.5mm
16A-SM-1.5	16A-SF-1.5	16A-GM-1.5	16A-GF-1.5	1.75	1.50	16	7.5mm
16A-SM-2.5	16A-SF-2.5	16A-GM-2.5	16A-GF-2.5	2.25	2.50	14	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	2.85	4.00	12	7.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge : 0.5~4.0mm² (AWG 20-12)
型号 Type : TL1-4.0



退针器 Removal tool

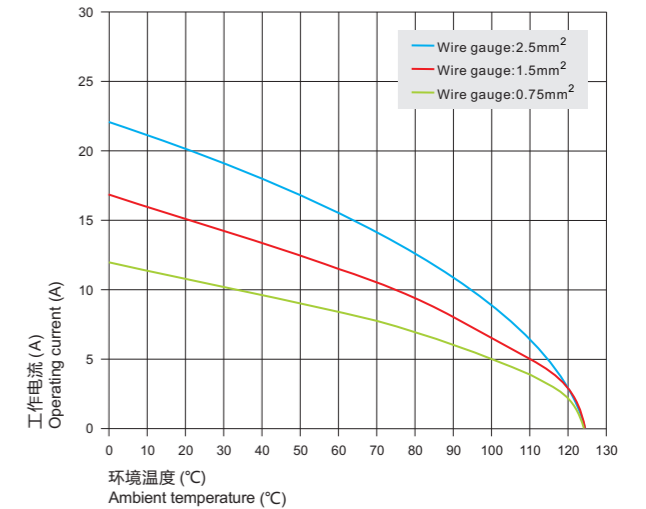
适用类型 For: 16A冷压针 16A Crimp contacts
型号 Type : RT-16A

DQ · Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	17+PE
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	10A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14
PE螺钉连接 PE screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14



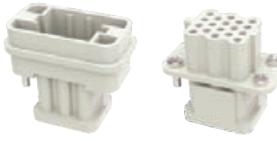
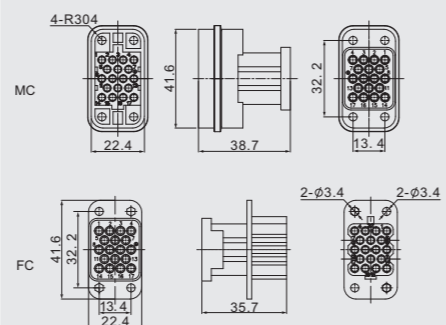
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。
Measuring and testing techniques according to DIN EN 60512-5.

DQ-017 紧凑小体积型插芯 Compact Series 250V 10A 17+⊕

外壳尺寸：匹配DC外壳，请参考P119页 Hoods/Housings: Matching DC Hoods Housing, detail on P119

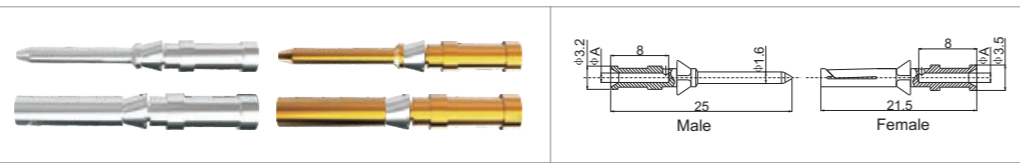
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p> 	DQ-017-MC	DQ-017-FC	0.14-2.5	26-14	<p>尺寸图及孔位图 Dimension and hole site</p> 

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A) Crimp contacts

Material: Copper alloy
Contact resistance ≤ 3mΩ
Matching: DD,DDD,DM,DK,DQ inserts
Surface: Gold/silver plated
Terminal: Crimp connection



Contacts, silver-plated		Contacts, gold plated		φ(A)	Wire gauge		Recommended stripping length
Male Contacts	Female Contacts	Male Contacts	Female Contacts		(mm ²)	(AWG)	
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	0.14-0.37	26-22	8mm
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	0.50	20	8mm
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	0.75	18	8mm
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	1.00	18	8mm
10A-SM-1.5	10A-SF-1.5	10A-GM-1.5	10A-GF-1.5	1.75	1.50	16	8mm
10A-SM-2.5	10A-SF-2.5	10A-GM-2.5	10A-GF-2.5	2.25	2.50	14	6mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

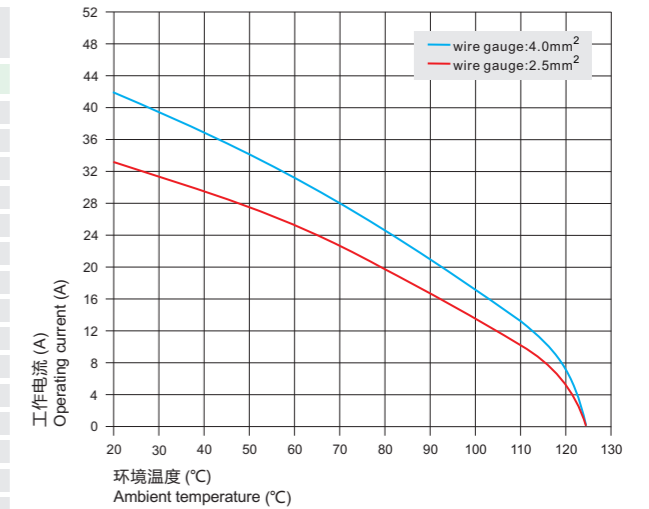
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A

DQ Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	4/2+PE
电力区 Power area	
• 额定电流 Rated current	40A
• 相对地额定电压 Rated voltage conductor-ground	400V
• 相间额定电压 Rated voltage conductor-conductor	690V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
信号区 Signal area	
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600/250V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
强电针 Power contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	1.5-6mm ²
• AWG	16-10
信号针 Signal contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5, Measuring and testing techniques according to DIN EN 60512-5.

DQ-4/2 紧凑小体积型插芯 Compact Series 400/690V 40/10A 4/2+ ⊕

外壳尺寸：匹配DC外壳，请参考P119页 Hoods/Housings: Matching DC Hoods Housing, detail on P119

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DQ-4/2-MC	DQ-4/2-FC	(1.5-6.0) 0.14-2.5	(16-10) 26-14	<p>尺寸图及孔位图 Dimension and hole site</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：
When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A/40A) Crimp contacts		Material: Copper alloy	
(10A)			
(40A)			

Contacts, silver-plated		Contacts, gold plated		(Φ A)		Wire gauge				Recommended stripping length	
Male Contacts	Female Contacts	Male Contacts	Female Contacts	10A	40A	10A(mm ²)	40A(mm ²)	10A(AWG)	40A(AWG)	10A	40A
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	--	0.14-0.37	--	26-22	--	8mm	--
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	--	0.50	--	20	--	8mm	--
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	--	0.75	--	18	--	8mm	--
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	--	1.00	--	18	--	8mm	--
10A/40A-SM-1.5	10A/40A-SF-1.5	10A/40A-GM-1.5	10A/40A-GF-1.5	1.75	1.75	1.50	1.50	16	16	8mm	9.0mm
10A/40A-SM-2.5	10A/40A-SF-2.5	10A/40A-GM-2.5	10A/40A-GF-2.5	2.25	2.25	2.50	2.50	14	14	6mm	9.0mm
40A-SM-4.0	40A-SF-4.0	40A-GM-4.0	40A-GF-4.0	--	2.85	--	4.0	--	12	--	9.5mm
40A-SM-6.0	40A-SF-6.0	40A-GM-6.0	40A-GF-6.0	--	3.50	--	6.0	--	10	--	9.5mm

工具 Tools



冷压钳 Crimping tool

压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0



退针器 Removal tool

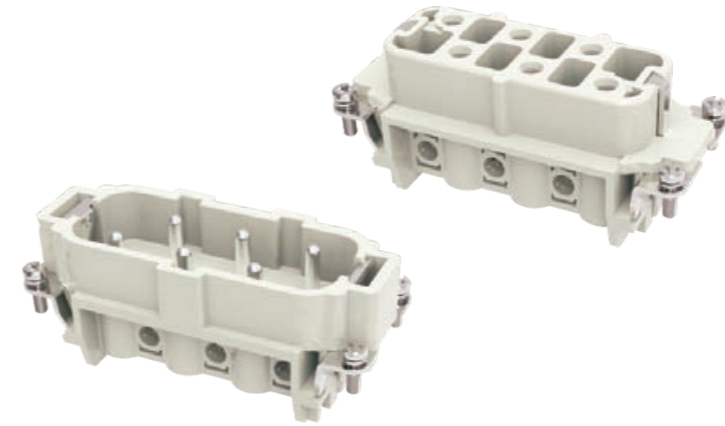
适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A



退针器 Removal tool

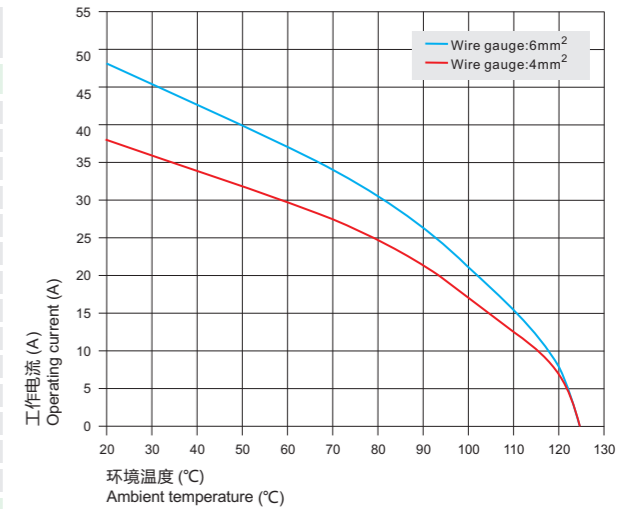
适用类型 For: 40A冷压针 40A Crimp contacts
型号 Type: RT-40A

DSB Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	6,12+PE
• 额定电流 Rated current	35A
• 相对地额定电压 Rated voltage conductor-ground	400V
• 相间额定电压 Rated voltage conductor-conductor	690V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 或 or	35A 500V 6KV 3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	1.5-6mm ²
• AWG	10
• 拧紧力矩 Tightening torque	1.2Nm



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DSB-006 大电流型插芯 Heavy-current Inserts 400V/690V 35A 6+⊕

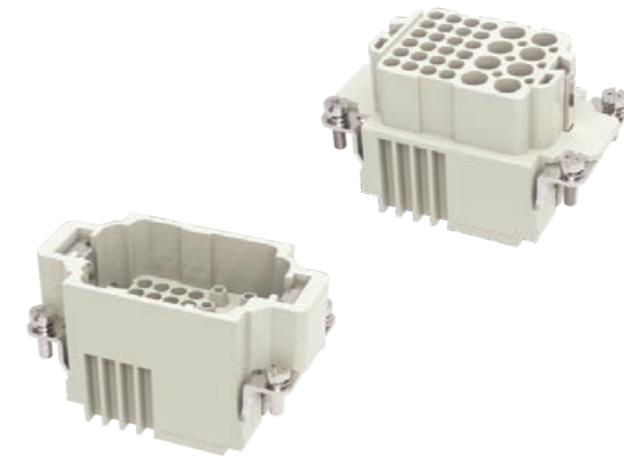
外壳尺寸：匹配 16B外壳，请参考P104-109页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>螺丝连接 Screw terminal</p>	DSB-006-M	DSB-006-F	1.5-6.0	16-10	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

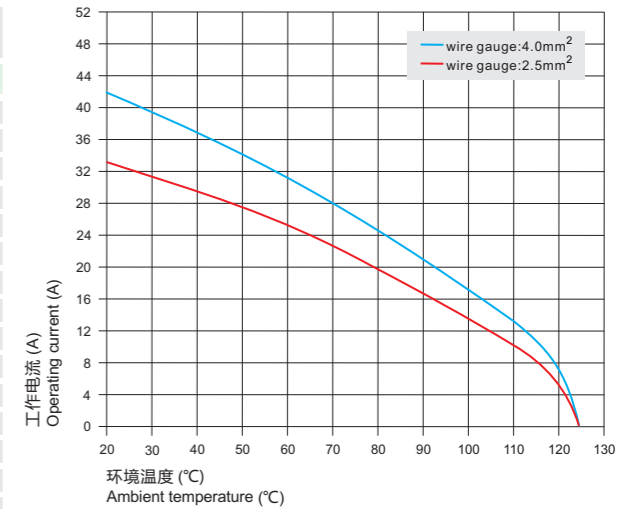
DSB-012 大电流型插芯 Heavy-current Inserts 400V/690V 35A 12+⊕

外壳尺寸：匹配 32B外壳，请参考P116-117页 Hoods/Housings: Matching 32B Hoods Housing, detail on P116-117

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DSB-012-M	DSB-012-F	1.5-6.0	16-10	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

DK Series

技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	8/24+PE
电力区 Power area	
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	10A 250V 4KV 2
信号区 Signal area	
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600/300V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
强电针 Power contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.5-4mm ²
• AWG	20-12
信号针 Signal contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14


电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DK-8/24 组合型插芯 Combination Inserts 400V/250V 16A/10A 8/24+

外壳尺寸：匹配 10B 外壳，请参考 P98-103 页 Hoods/Housings: Matching 10B Hoods Housing, detail on P98-103

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DK-8/24-MC	DK-8/24-FC	0.5-4.0 0.14-2.5	(20-12) 26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时，需要另外配针，如下附件：

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A/16A) Crimp contacts		(10A)		(16A)	
Material: Copper alloy					
(10A)	Contact resistance ≤ 3mΩ Matching: DD, DDD, DM, DK, DQ inserts				
(16A)	Contact resistance ≤ 1mΩ Matching: DA, DE, DEE, DM, DK inserts				
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		Φ (A)		Wire gauge				Recommended stripping length	
Male Contacts	Female Contacts	Male Contacts	Female Contacts	10A	16A	10A(mm ²)	16A(mm ²)	10A(AWG)	16A(AWG)	10A	16A
10A/16A-SM-0.37	10A/16A-SF-0.37	10A/16A-GM-0.37	10A/16A-GF-0.37	0.9	0.9	0.14-0.37	0.14-0.37	26-22	26-22	8mm	7.5mm
10A/16A-SM-0.5	10A/16A-SF-0.5	10A/16A-GM-0.5	10A/16A-GF-0.5	1.1	1.1	0.50	0.50	20	20	8mm	7.5mm
10A/16A-SM-0.75	10A/16A-SF-0.75	10A/16A-GM-0.75	10A/16A-GF-0.75	1.3	1.3	0.75	0.75	18	18	8mm	7.5mm
10A/16A-SM-1.0	10A/16A-SF-1.0	10A/16A-GM-1.0	10A/16A-GF-1.0	1.45	1.45	1.00	1.00	18	18	8mm	7.5mm
10A/16A-SM-1.5	10A/16A-SF-1.5	10A/16A-GM-1.5	10A/16A-GF-1.5	1.75	1.75	1.50	1.50	16	16	8mm	7.5mm
10A/16A-SM-2.5	10A/16A-SF-2.5	10A/16A-GM-2.5	10A/16A-GF-2.5	2.25	2.25	2.50	2.50	14	14	6mm	7.5mm
16A-SM-4.0	16A-SF-4.0	16A-GM-4.0	16A-GF-4.0	--	2.85	--	4.00	--	12	--	7.5mm

工具 Tools



冷压钳 Crimping tool

 压接线径 Wire gauge: 0.5-4.0mm² (AWG 20-12)
型号 Type: TL-1-4.0

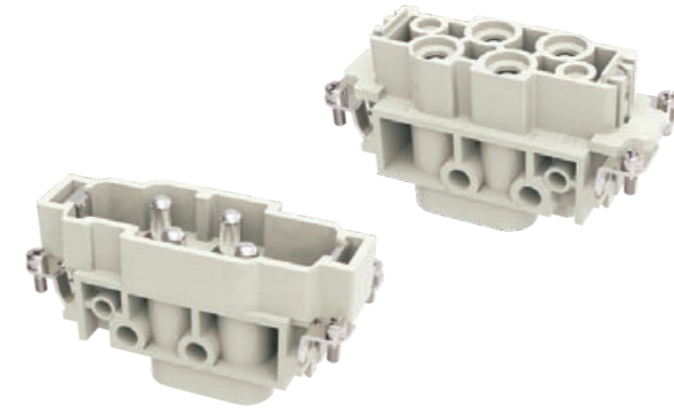

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
型号 Type: RT-10A


退针器 Removal tool

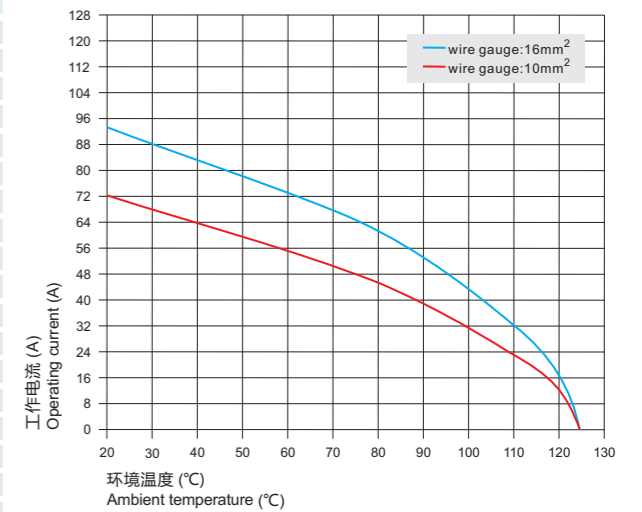
 适用类型 For: 16A冷压针 16A Crimp contacts
型号 Type: RT-16A

DK Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	4/0+PE, 4/2+PE
电力区 Power area	<ul style="list-style-type: none"> 额定电流 Rated current: 80A 额定电压 Rated voltage: 690V 额定脉冲电压 Rated impulse voltage: 8KV 污染程度 Pollution degree: 3 污染等级2时的参数 Pollution degree 2 also: 80A 1000V 8KV 2
信号区 Signal area	<ul style="list-style-type: none"> 额定电流 Rated current: 16A 额定电压 Rated voltage: 400V 额定脉冲电压 Rated impulse voltage: 6KV 污染程度 Pollution degree: 3 污染等级2时的参数 Pollution degree 2 also: 16A 400/690V 6KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600/300V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
电力区 Power area	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 0.3mΩ
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	1.5-16mm ²
• AWG	16-6
• 拧紧力矩 Tightening torque	
• mm ²	1.5 2.5 4 6 10 16
• N.m	1.2 2 3 3 3 3
• 剥线长度 Stripping length	14mm
信号区 Signal area	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1mΩ
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	0.5-2.5mm ²
• AWG	20-14
• 拧紧力矩 Tightening torque	0.5Nm
• 剥线长度 Stripping length	7.5mm




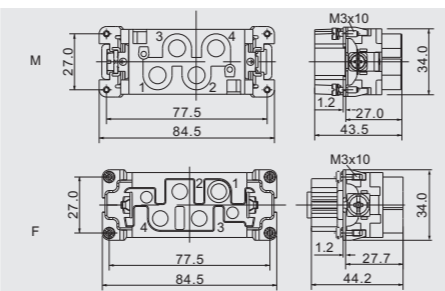
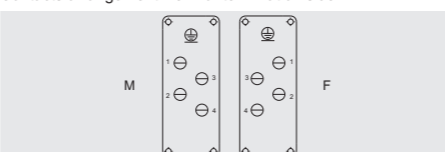
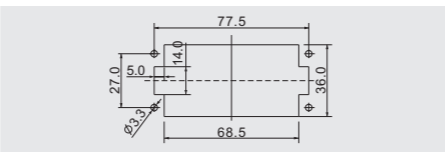
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.


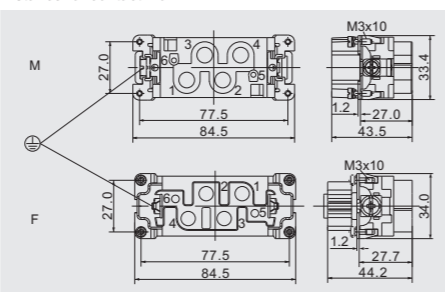
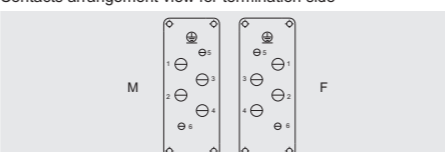
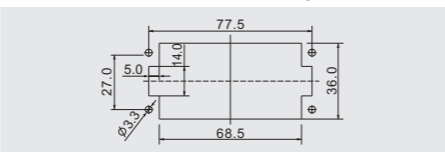
DK-4/0 组合型插芯 Combination Inserts 690V 80A 4/0+

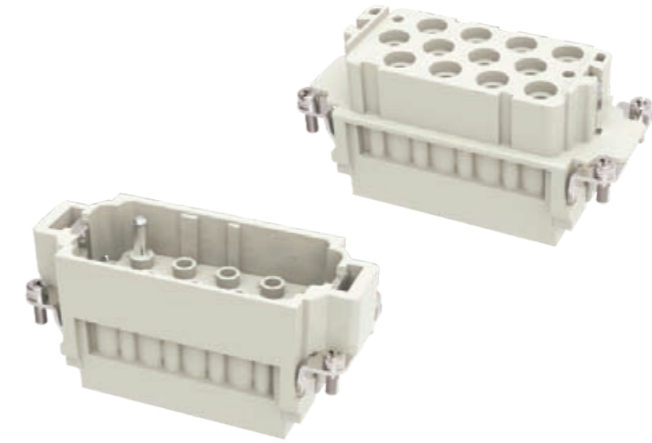
外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
 <p>螺丝连接 Screw terminal</p>	DK-4/0-M	DK-4/0-F	1.5-16	16-6	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p>  <p>接插针排序 Contacts arrangement view for termination side</p>  <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p> 

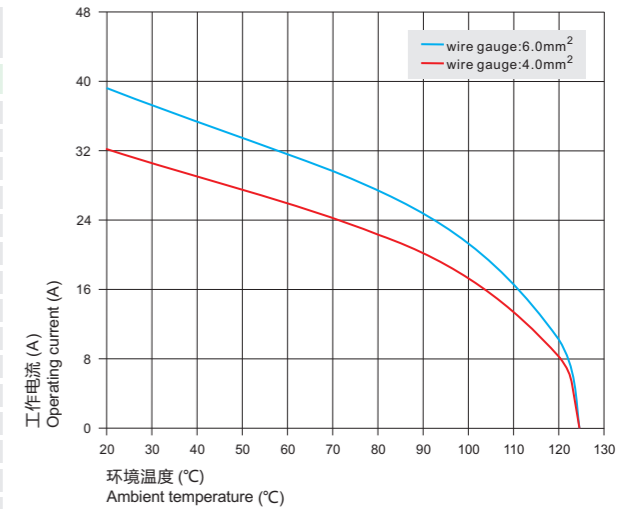
DK-4/2 组合型插芯 Combination Inserts 690V/400V 80A/16A 4/2+

外壳尺寸：匹配 16B 外壳，请参考 P104-109 页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
 <p>螺丝连接 Screw terminal</p>	DK-4/2-M	DK-4/2-F	(1.5~16mm ²) 1.0~2.5mm ²	(16-6) 18-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p>  <p>接插针排序 Contacts arrangement view for termination side</p>  <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p> 

DK • Series

技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	12/2+PE
电力区 Power area	
• 额定电流 Rated current	40A
• 额定电压 Rated voltage	690V
• 额定脉冲电压 Rated impulse voltage	8KV
• 污染程度 Pollution degree	3
信号区 Signal area	
• 额定电流 Rated current	10A
• 额定电压 Rated voltage	250V
• 额定脉冲电压 Rated impulse voltage	4KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600/300V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
强电针 Power contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 0.3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	1.5-6mm ²
• AWG	16-10
• 最大绝缘直径 Max.insulation diameter	
信号针 Signal contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀金 Hard-gold plated 镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 3m Ω
冷压连接 Crimp terminal	
• 导线规格 Wire gauge	0.14-2.5mm ²
• AWG	26-14


电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DK-12/2 组合型插芯 Combination Inserts 690V/250V 40A/10A 12/2+⊕

外壳尺寸: 匹配 16B外壳, 请参考P104-109页 Hoods/Housings: Matching 16B Hoods Housing, detail on P104-109

插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
<p>冷压连接 Crimp terminal</p>	DK-12/2-MC	DK-12/2-FC	1.5-6.0 0.14-2.5	(16-10) 26-14	<p>接插体之间的最大距离21mm Distance for contact max.21mm</p> <p>接插针排序 Contacts arrangement view for termination side</p> <p>面孔安装开孔图 Panel cut out for use without Hoods/housings</p>

附件 Accessories

选择冷压连接时, 需要另外配针, 如下附件:

When cold pressing connection is selected, additional stitches are needed, as shown in the attachment below:

(10A/40A) Crimp contacts		(10A)		(40A)	
Material: Copper alloy					
Contact resistance ≤ 3m Ω					
Matching: DD, DDD, DM, DK, DQ inserts					
Contact resistance ≤ 3m Ω					
Matching: DM, DK inserts					
Surface: Gold/silver plated					
Terminal: Crimp connection					

Contacts, silver-plated		Contacts, gold plated		(Φ A)		Wire gauge				Recommended stripping length	
Male Contacts	Female Contacts	Male Contacts	Female Contacts	10A	40A	10A(mm ²)	40A(mm ²)	10A(AWG)	40A(AWG)	10A	40A
10A-SM-0.37	10A-SF-0.37	10A-GM-0.37	10A-GF-0.37	0.9	--	0.14-0.37	--	26-22	--	8mm	--
10A-SM-0.5	10A-SF-0.5	10A-GM-0.5	10A-GF-0.5	1.1	--	0.50	--	20	--	8mm	--
10A-SM-0.75	10A-SF-0.75	10A-GM-0.75	10A-GF-0.75	1.3	--	0.75	--	18	--	8mm	--
10A-SM-1.0	10A-SF-1.0	10A-GM-1.0	10A-GF-1.0	1.45	--	1.00	--	18	--	8mm	--
10A/40A-SM-1.5	10A/40A-SF-1.5	10A/40A-GM-1.5	10A/40A-GF-1.5	1.75	1.75	1.50	1.50	16	16	8mm	9.0mm
10A/40A-SM-2.5	10A/40A-SF-2.5	10A/40A-GM-2.5	10A/40A-GF-2.5	2.25	2.25	2.50	2.50	14	14	6mm	9.0mm
40A-SM-4.0	40A-SF-4.0	40A-GM-4.0	40A-GF-4.0	--	2.85	--	4.0	--	12	--	9.5mm
40A-SM-6.0	40A-SF-6.0	40A-GM-6.0	40A-GF-6.0	--	3.50	--	6.0	--	10	--	9.5mm

工具 Tools



冷压钳 Crimping tool

 压接线径 Wire gauge: 0.5~4.0mm² (AWG 20-12)
 型号 Type: TL1-4.0

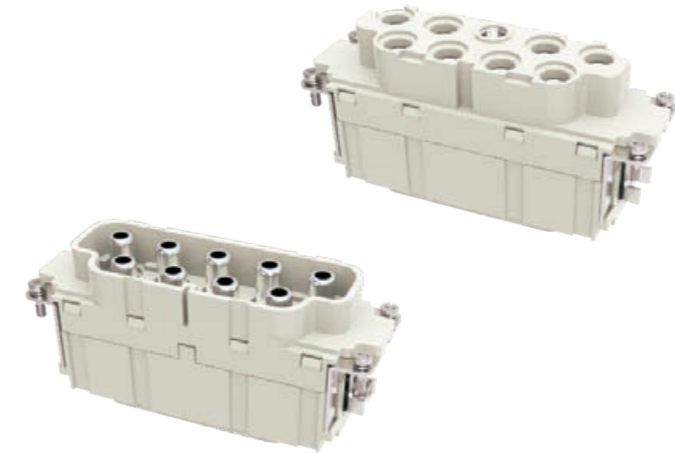

退针器 Removal tool

 适用类型 For: 10A冷压针 10A Crimp contacts
 型号 Type: RT-10A


退针器 Removal tool

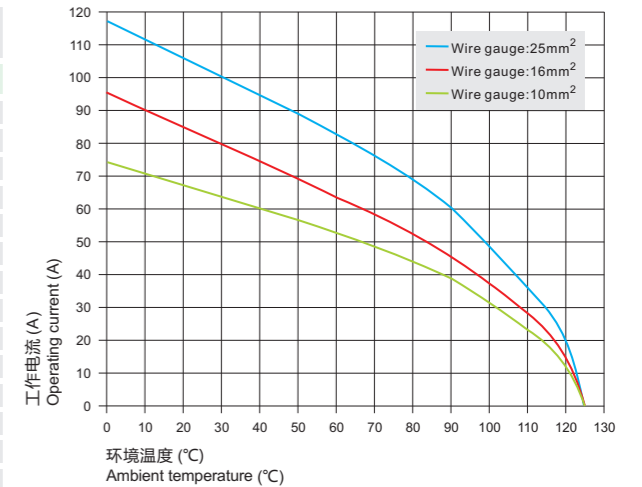
 适用类型 For: 40A冷压针 40A Crimp contacts
 型号 Type: RT-40A

DK Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件件数 Number of contacts	8/0+PE
电力区 Power area	
• 额定电流 Rated current	100A
• 额定电压 Rated voltage	690V
• 额定脉冲电压 Rated impulse voltage	8KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	100A 1000V 8KV 2
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600V
依据UL/CSA额定电流 Rated Current acc.to UL CSA	82A
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 0.5m Ω
轴向螺钉连接 Axial screw terminal	
• 导线规格 Wire gauge	10-25mm ²
• AWG	7-3
• 最大绝缘直径 Max.insulation diameter	11.4mm
• 拧紧力矩 Tightening torque	
• mm ²	10 16 25
• N.m	6 6 7
• 剥线长度 Stripping length	13 ± 1mm




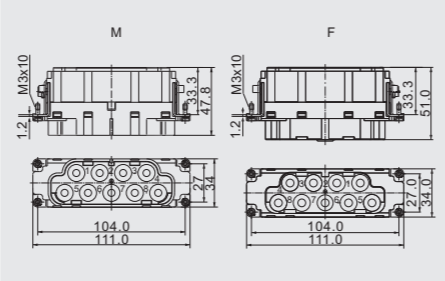
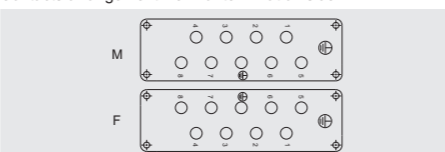
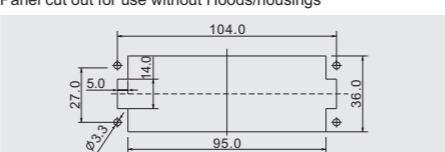
电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

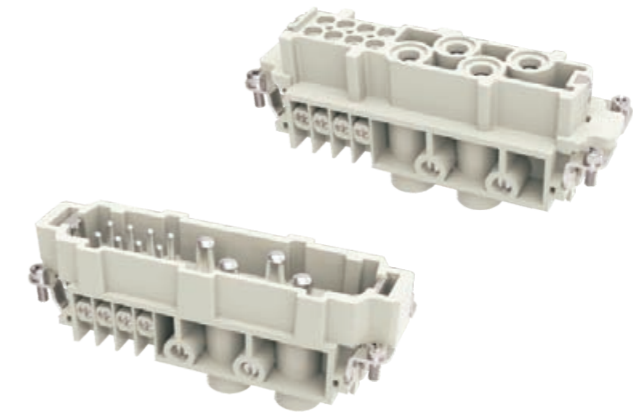
测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.

DK-8/0 组合型插芯 Combination Inserts 690V 100A 8/0+

外壳尺寸：匹配24B外壳，请参考P110-115页 Hoods/Housings: Matching 24B Hoods Housing, detail on P110-115

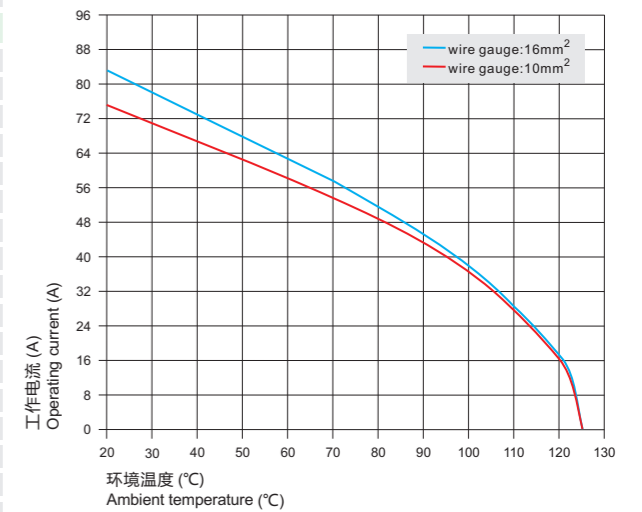
插芯 Inserts	公 Male	母 Female	线规 Wire gauge		图纸 Drawing
			mm ²	AWG	
轴向螺钉连接 Axial screw terminal 	DK-8/0-M	DK-8/0-F	16-35	6-2	接插体之间的最大距离21mm Distance for contact max.21mm  接插针排序 Contacts arrangement view for termination side  面孔安装开孔图 Panel cut out for use without Hoods/housings 

DK • Series



技术参数 Technical characteristics

规范 Specifications	DIN EN 60 664 DIN EN 61 984
插芯 Inserts	
依据EN 61 984的额定电压 Electrical data acc.to EN 61 984	
接插件针数 Number of contacts	4/8+PE
电力区 Power area	
• 额定电流 Rated current	80A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
• 污染等级2时的参数 Pollution degree 2 also	80A 400/690V 6KV 2
信号区 Signal area	
• 额定电流 Rated current	16A
• 额定电压 Rated voltage	400V
• 额定脉冲电压 Rated impulse voltage	6KV
• 污染程度 Pollution degree	3
依据UL/CSA额定电压 Rated voltage acc.to UL CSA	600/600V
绝缘电阻 Insulation resistance	≥ 10 ¹⁰ Ω
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40 °C ~+125 °C
依据UL94阻燃等级 Flammability acc.to UL94	V0
可拔插次数 Mechanical working life-mating cycles	≥ 500
插针 Contacts	
电力区 Power area	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 0.3m Ω
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	1.5-16mm ²
• AWG	16-6
• 拧紧力矩 Tightening torque	
• mm ²	1.5 2.5 4 6 10 16
• N.m	1.2 2 3 3 3 3
• 剥线长度 Stripping length	14mm
信号区 Signal area	
材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	≤ 1m Ω
螺钉连接 Screw terminal	
• 导线规格 Wire gauge	1.0-2.5mm ²
• AWG	18-14
• 拧紧力矩 Tightening torque	0.5Nm
• 剥线长度 Stripping length	7.5mm



电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度。The current carrying is limited by maximum temperature of materials for Inserts and contacts including terminals.

测试和控制过程依据DIN EN 60512-5。Measuring and testing techniques according to DIN EN 60512-5.