



The current carrying capacity of the connector is limited by the thermal load capacity of the contact and insulating parts. Under the condition that the derating curve does not exceed the maximum allowable temperature, the limited display current uniformly and continuously passes through each contact of the connector. The test method refers to DIN EN 60512-5.

Specification/standard

规范 / 标准

Specification	IEC 61984
规范	IEC 60664-1
	IEC 61373

Authentication
认证



Insert

插芯

接插件针数 Number of contacts	6, 10, 16, 24
依据 IEC61984 的额定电压 Rated voltage according to IEC61984	
额定电流 Rated current	16A
额定电压 Rated voltage	500V
额定脉冲电压 Rated impulse voltage	6kV
绝缘电阻 Insulation resistance	$\geq 10^{10}\Omega$
污染等级 Pollution degree	3
材料 Material	阻燃 PC Flame retardant PC
温度范围 Limiting temperatures	-40°C ~ +125°C
阻燃等级 Flame retardant grade	EN45545-2:R22/R23 UL94-V0
机械寿命 Mechanical life	≥ 500 次

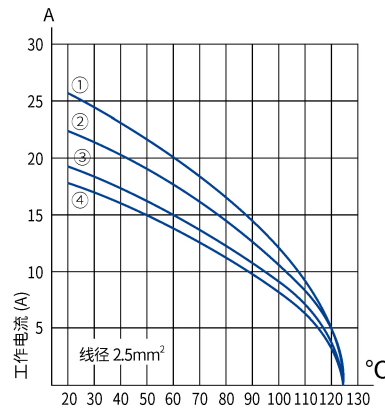
插针

材料 Material	铜合金 copper alloy
表面处理 surface treatment	镀金 / 镀银 Gold / silver plated
接触电阻 Contact resistance	$\leq 1m\Omega$
冷压连接 Crimp terminal	
导线规格 Wire gauge	0.14-4.0mm ²
AWG	26-12
剥线长度 Stripping length	7.5mm
螺栓连接 Screw terminal	
导线规格 Wire gauge	1.0-2.5mm ²
AWG	8-14
拧紧 / 检测力矩 Tightening / testing torque	0.5N.m
剥线长度 Stripping length	7.5mm
弹片连接 Shrapnel connection	
导线规格 Wire gauge	0.14-2.5mm ²
AWG	26-14
剥线长度 Stripping length	7-9mm

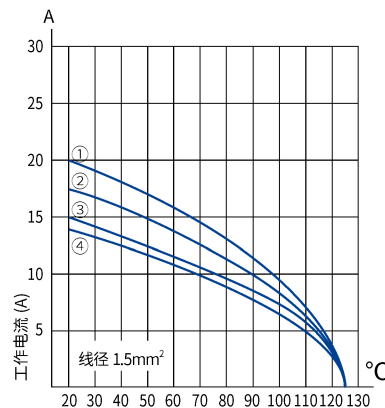
电流承载能力

Current carrying capacity

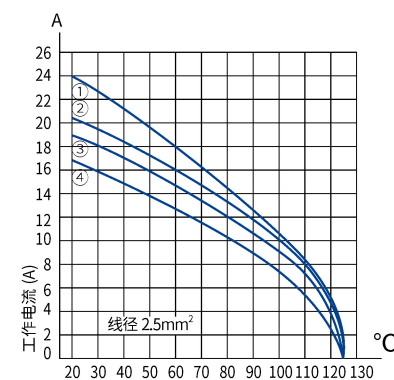
连接器的电流承载能力受接触件和绝缘部件的热负荷能力限制。降额曲线在不超过允许的最高温度下，有限显示电流均匀持续地通过连接器的每个接点。测试方法参照 DIN EN 60512-5。



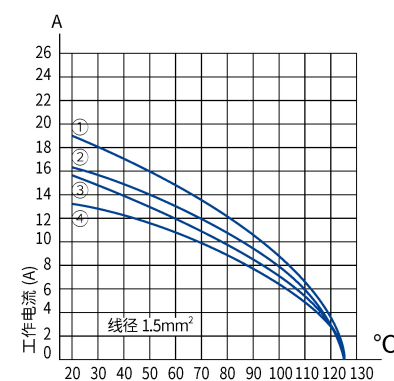
Ambient temperature (°C)
环境温度 (°C)
① HDC-HE6-M/F(MC/FC)
② HDC-HE10-M/F(MC/FC)
③ HDC-HE16-M/F(MC/FC)
④ HDC-HE24-M/F(MC/FC)



Ambient temperature (°C)
环境温度 (°C)
① HDC-HE6-M/F(MC/FC)
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③ HDC-HE16-M/F(MC/FC)
④ HDC-HE24-M/F(MC/FC)



Ambient temperature (°C)
环境温度 (°C)
① HDC-HE6-MS/FS
② HDC-HE10-MS/FS
③ HDC-HE16-MS/FS
④ HDC-HE24-MS/FS


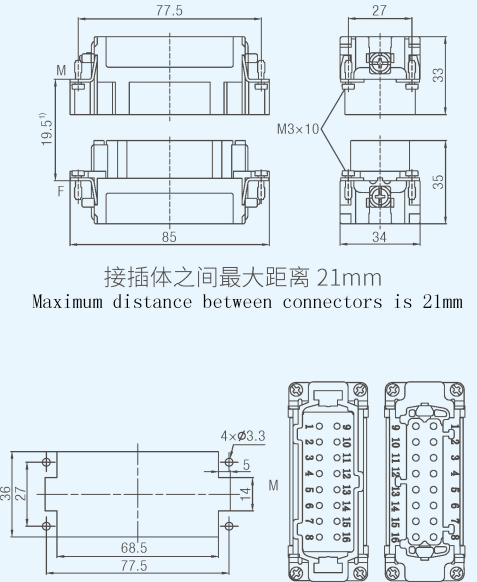

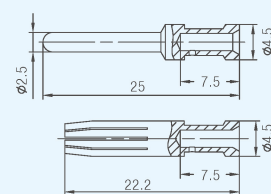






Ambient temperature (°C)
环境温度 (°C)
① HDC-HE6-MS/FS
② HDC-HE10-MS/FS
③ HDC-HE16-MS/FS
④ HDC-HE24-MS/FS









针数量 Number of contacts

16 +

Shell size: matching 16A/16B shell
外壳尺寸: 匹配 16A/16B 外壳

Description		Specification	Order number		比例图 尺寸单位 (mm)															
描述	型号	公插芯 Male	母插芯 Female	Scale drawings Dimension unit																
冷压连接 冷压针 需单独订购 Crimp terminal, crimp contacts need to be ordered separately 	HDC-HE16-MC	113060100508			 <p>接插体之间最大距离 21mm Maximum distance between connectors is 21mm</p> <p>面板安装开孔尺寸 接触面孔位排布 Panel mounting hole size Contact position arrangement</p>															
	HDC-HE16-FC		113060200496																	
Description		Conductor section	Order number		比例图 尺寸单位 (mm)															
描述 接触对 Contact Pairs	导线截面 (mm ²)	公针 Male	母针 Female	Scale drawings Dimension unit																
镀金 Gold plated	0.14-0.37	114020501613	114021001576	 <p>Wire gauge Stripping length</p> <table border="1"> <thead> <tr> <th>线规</th> <th>剥线长度</th> </tr> </thead> <tbody> <tr> <td>0.5mm²</td> <td>AWG20 7.5mm</td> </tr> <tr> <td>0.75mm²</td> <td>AWG18 7.5mm</td> </tr> <tr> <td>1mm²</td> <td>AWG18 7.5mm</td> </tr> <tr> <td>1.5mm²</td> <td>AWG16 7.5mm</td> </tr> <tr> <td>2.5mm²</td> <td>AWG14 7.5mm</td> </tr> <tr> <td>4mm²</td> <td>AWG12 7.5mm</td> </tr> <tr> <td>0.14-0.37mm²</td> <td>AWG26-22 7.5mm</td> </tr> </tbody> </table>	线规	剥线长度	0.5mm ²	AWG20 7.5mm	0.75mm ²	AWG18 7.5mm	1mm ²	AWG18 7.5mm	1.5mm ²	AWG16 7.5mm	2.5mm ²	AWG14 7.5mm	4mm ²	AWG12 7.5mm	0.14-0.37mm ²	AWG26-22 7.5mm
线规	剥线长度																			
0.5mm ²	AWG20 7.5mm																			
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2.5mm ²	AWG14 7.5mm																			
4mm ²	AWG12 7.5mm																			
0.14-0.37mm ²	AWG26-22 7.5mm																			
	0.5	114020501612	114021001577																	
	0.75-1.0	114020501610	114021001582																	
	1.5	114020501620	114021001591																	
	2.5	114020501618	114021001590																	
	4.0	114020501619	114021001581																	
镀银 Silver plated	0.14-0.37	114020501621	114021001592																	
	0.5	114020501622	114021001593																	
	0.75-1.0	114020501624	114021001595																	
	1.5	114020501576	114021001550																	
	2.5	114020501560	114021001533																	
	4.0	114020501552	114021001525																	

* 更多针孔详见 182 页, 压接工具详见 180 页 -2, 退针工具详见 179 页 -2

Number	Series	Scope of application	Specification	Order number	Place of production
序号	系列	适用范围	型号	订货号	产地
1	HDC-HD 系列退针器 HDC-HD series contacts retractor 	10A 公针 10A male contacts	HDC-HD-CX	113030400143	四川 - 绵阳 Sichuan-mianyang
		10A 母针 10A female contacts	HDC-HD-CX	113030400143	四川 - 绵阳 Sichuan-mianyang
2	HDC-HE 系列退针器 HDC-HE series contacts retractor  	16A 公针 16A male contacts	HDC-HE-CX	113030400142	四川 - 绵阳 Sichuan-mianyang
		16A 母针 16A female contacts	HDC-HE-CX	113030400142	四川 - 绵阳 Sichuan-mianyang
		16A 公针 16A male contacts	HDC-HE-CX/P	113030400146	四川 - 绵阳 Sichuan-mianyang
		16A 母针 16A female contacts	HDC-HE-CX/P	113030400146	四川 - 绵阳 Sichuan-mianyang
3	HDC-HMC 系列退针器 HDC-HMC series contacts retractor  	40A 公针 40A male contacts	HDC-HC-CX	113030400144	四川 - 绵阳 Sichuan-mianyang
		40A 母针 40A female contacts	HDC-HC-CX	113030400144	四川 - 绵阳 Sichuan-mianyang
		40A 公针 40A male contacts	HDC-HC-CX/P	113030400148	四川 - 绵阳 Sichuan-mianyang
		40A 母针 40A female contactsc	HDC-HC-CX/P	113030400148	四川 - 绵阳 Sichuan-mianyang
4	HDC-HDsub 系列退针器 HDC-HDsub series contacts retractor 	5A 公针 5A male contacts	HDC-DSUB9-CX	113030400145	四川 - 绵阳 Sichuan-mianyang
		5A 母针 5A female contacts	HDC-DSUB9-CX	113030400145	四川 - 绵阳 Sichuan-mianyang
5	HDC-HM200 系列退针器 HDC-HM200 series contacts retractor 	200A 公针 200A male contacts	HDC-HM200-CX	112980003652	四川 - 绵阳 Sichuan-mianyang
		200A 母针 200A female contacts	HDC-HM200-CX	112980003652	四川 - 绵阳 Sichuan-mianyang
6	HDC-HM2C100 系列退针器 HDC-HM2C100 series contacts retractor 	100A 公针 100A male contacts	HDC-HM2C100-CX	112980003651	四川 - 绵阳 Sichuan-mianyang
		100A 母针 100A female contacts	HDC-HM2C100-CX	112980003651	四川 - 绵阳 Sichuan-mianyang

Number	Series	Crimping wire diameter	Specification	Order number	
序号	系列	压接线径	型号	订货号	
1	5A/10A 	0.34-4mm ²	M22520/1-01(DMC)	531030600020	
2	16A/40A 	0.34-10mm ²	KNIPEX 四心轴压线钳 (97 52 65) KNIPEX Four spindleCrimping pliers (97 52 65)	531030600052	
3	70A/350A 	6-120mm ²	EK60/22L	531030600010	
		配套压接工装 Matching crimping tooling			
		编码 Code	名称 Name	备注 remarks	
		531030600074	EK60/22 六方带点压模 6mm ² EK60/22 Hexagonal point pressing die 6mm ²		
		531030600075	EK60/22 六方带点压模 10mm ² EK60/22 Hexagonal point pressing die 10mm ²		
		531030600076	EK60/22 六方带点压模 16mm ² EK60/22 Hexagonal point pressing die 16mm ²		
		531030600077	EK60/22 六方带点压模 25mm ² EK60/22 Hexagonal point pressing die 25mm ²		
		531030600078	EK60/22 六方带点压模 35mm ² EK60/22 Hexagonal point pressing die 35mm ²		
		531030600079	EK60/22 六方带点压模 50mm ² EK60/22 Hexagonal point pressing die 50mm ²		
		531030600066	EK60/22 六方带点压模 70mm ² EK60/22 Hexagonal point pressing die 70mm ²		
531030600067	EK60/22 六方带点压模 95mm ² EK60/22 Hexagonal point pressing die 95mm ²				
531030600068	EK60/22 六方带点压模 120mm ² EK60/22 Hexagonal point pressing die 120mm ²				
4	650A 	150-240mm ²	EK120/42L		
		配套压接工装 Matching crimping tooling			
		编码 Code	名称 Name	备注 remarks	
		531030600069	EK120/42 六方带点压模 150mm ² EK120/42 Hexagonal point pressing die 150mm ²		
		531030600070	EK120/42 六方带点压模 185mm ² EK120/42 Hexagonal point pressing die 185mm ²		
531030600071	EK120/42 六方带点压模 240mm ² EK120/42 Hexagonal point pressing die 240mm ²				

外壳 / A 系列

连接体 / B 系列

连接体 / C 系列

连接体 / D 系列

连接体 / E 系列

连接体 / F 系列

重载附件

Number 序号	Description 描述 接触对	Conductor section 截面积 (mm ²)	Order number 订货号		Scale drawings 比例图	Dimension unit 尺寸单位 (mm)
			公针 Male	母针 Female		
10A Crimp contacts HDC-HD series Two lobes teeth sleeve+wrap reed Gold plated 6	Contact Pairs 10A 冷压针孔 HDC-HD 系列 两瓣齿套 + 包簧片 镀金	0.5	115210010802	115310015702		
		0.75-1.0	115210010804	115310015704		
		1.5	115210010805	115310015705		
		2.5	115210010901	115310015801		
		0.14-0.37	115210010801	115310015701		
10A Crimp contacts HDC-HD series Two lobes teeth sleeve+wrap reed Silver plated 7	10A 冷压针孔 HDC-HD 系列 两瓣齿套 + 包簧片 镀银	0.5	115210010807	115310015707		
		0.75-1.0	115210010809	115310015709		
		1.5	115210010810	115310015710		
		2.5	115210010902	115310015802		
		0.14-0.37	115210010806	115310015706		
10A Crimp contacts HDC-HD series Cone type teeth+wrap reed Gold plated 8	10A 冷压针孔 HDC-HD 系列 锥齿套 + 包簧片 镀金	0.5	113020100913	115310017302		
		0.75-1.0	113020100918	115310017304		
		1.5	113020100919	115310017305		
		2.5	113020100922	115310017306		
		0.14-0.37	113020100915	115310017301		
10A Crimp contacts HDC-HD series Cone type teeth+wrap reed Silver plated 9	10A 冷压针孔 HDC-HD 系列 锥齿套 + 包簧片 镀银	0.5	113020100916	115310017308		
		0.75-1.0	113020100811	115310017310		
		1.5	113020100920	115310017311		
		2.5	113020100813	115310017312		
		0.14-0.37	113020100812	115310017307		
16A Crimp contacts HDC-HE series Gold plated 10	16A 冷压针孔 HDC-HE 系列 镀金	0.14-0.37	114020501613	114021001576		
		0.5	114020501612	114021001577		
		0.75-1.0	114020501610	114021001582		
		1.5	114020501620	114021001591		
		2.5	114020501618	114021001590		
16A Crimp contacts HDC-HE series Silver plated 11	16A 冷压针孔 HDC-HE 系列 镀银	0.14-0.37	114020501621	114021001592		
		0.5	114020501622	114021001593		
		0.75-1.0	114020501624	114021001595		
		1.5	114020501576	114021001550		
		2.5	114020501560	114021001533		

Wire gauge	Stripping length	
线规	剥线长度	
0.5mm ²	AWG20	8mm
0.75-1mm ²	AWG18	8mm
1.5mm ²	AWG16	8mm
2.5mm ²	AWG14	6mm
0.14-0.37mm ²	AWG26-22	8mm

Wire gauge	Stripping length	
线规	剥线长度	
0.5mm ²	AWG20	8mm
0.75-1mm ²	AWG18	8mm
1.5mm ²	AWG16	8mm
2.5mm ²	AWG14	6mm
0.14-0.37mm ²	AWG26-22	8mm

Wire gauge	Stripping length	
线规	剥线长度	
0.5mm ²	AWG20	7.5mm
0.75mm ²	AWG18	7.5mm
1mm ²	AWG18	7.5mm
1.5mm ²	AWG16	7.5mm
2.5mm ²	AWG14	7.5mm
4mm ²	AWG12	7.5mm
0.14-0.37mm ²	AWG26-22	7.5mm