

Specification/standard

规范 / 标准

	IEC 61984
Specification 规范	IEC 60664-1
	IEC 61373
Authentication 认证	

Current carrying capacity

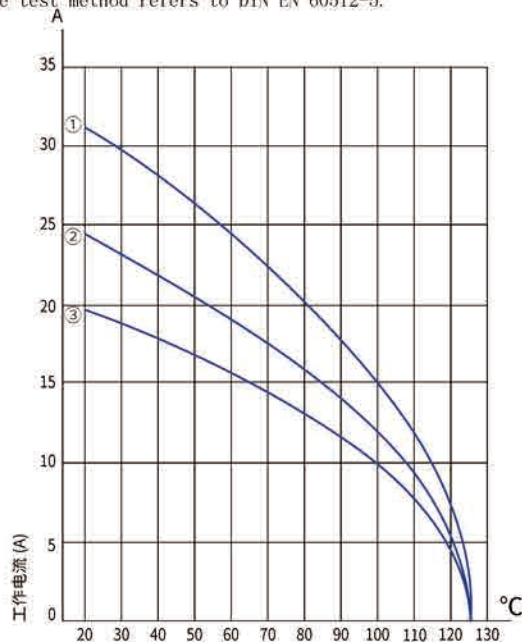
电流承载能力

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。

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.

Insert 插芯

接插件针数 Number of contacts	4+PE
依据 IEC61984 的额定电压 Rated voltage according to IEC61984	
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
绝缘电阻 Insulation resistance	$\geq 10^{10}\Omega$
材料 Material	阻燃 PC Flame retardant PC
工作温度范围 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



环境温度 (°C)

- ① 导体截面积: 2.5mm²
- ② 导体截面积: 1.5mm²
- ③ 导体截面积: 1.0mm²

Ambient temperature (°C)

- ① conductor cross section : 2.5mm²
- ② conductor cross section : 1.5mm²
- ③ conductor cross section : 1.0mm²


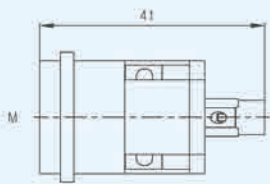

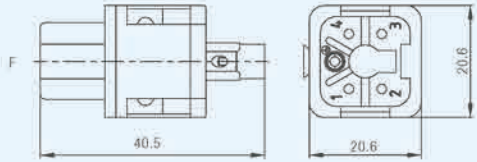
Contacts 插针









材料 Material	铜合金 Copper alloy
表面处理 Surface treatment	镀银 Silver plated
接触电阻 Contact resistance	$\leq 2.5m\Omega$
PE 螺钉连接 PE screw connection	
mm ²	1-2.5mm ²
AWG	18-14

针数量 Number of contacts

4 +

Shell size: matching 3A/3B shell
外壳尺寸: 匹配 3A/3B 外壳

Description 描述	Specification 型号	Order number 订货号		Scale drawings 比例图	Dimension unit 尺寸单位 (mm)
		公插芯 Male	母插芯 Female		
螺栓连接 Screw terminal 	HDC-HQ4-M	113060100498			
	HDC-HQ4-F		113060200484		

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 contacts	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	KNIPLEX 四心轴压线钳 (97 52 65) KNIPLEX Four spindle Crimping 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	531030600100				
					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							