

Specification/standard

规范 / 标准

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

Current carrying capacity

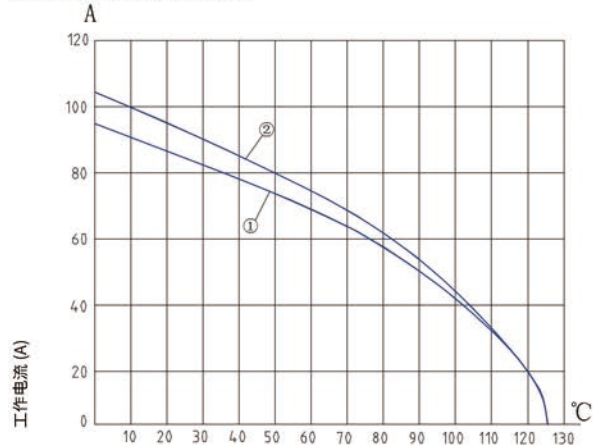
电流承载能力

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	2
Number of contacts	
依据 IEC61984 的额定电压	
Rated voltage according to IEC61984	
额定电流	70A
Rated current	
额定电压	1000V
Rated voltage	
绝缘电阻	$\geq 10^{10}\Omega$
Insulation resistance	
额定脉冲电压	8kV
Rated impulse voltage	
污染程度	3
Pollution degree	
材料	阻燃 PC
Material	Flame retardant PC
温度范围	-40°C ~ +125°C
Limiting temperatures	
阻燃等级	EN45545-2:R22/R23 UL94-V0
Flame retardant grade	
机械寿命	≥ 500 次
Mechanical life	



环境温度 (°C)


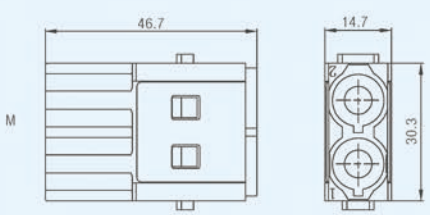

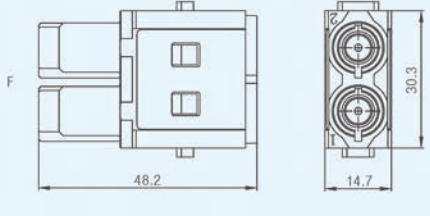

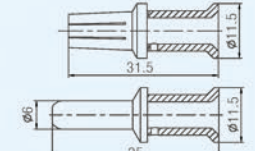

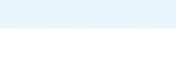

- ① 24B 外壳带 6 个模块，导体截面积：16mm²
- ② 24B 外壳带 6 个模块，导体截面积：25mm²

Ambient temperature (°C)

- ① 24B shell with 6 modules, conductor cross section : 16mm²
- ② 24B shell with 6 modules, conductor cross section : 25mm²

Contacts 插针

材料	铜合金
Material	Copper alloy
表面处理	镀银
Surface treatment	Silver plated
接触电阻	$\leq 0.5m\Omega$
Contact resistance	
冷压连接	
Crimp terminal	
导线规格	6-25mm ²
Wire gauge	

Description	Specification	Order number		Scale drawings	Dimension unit															
描述	型号	订货号		比例图	尺寸单位 (mm)															
		公插芯 Male	母插芯 Female																	
冷压连接 冷压针 需要单独订购 Crimp terminal, crimp contacts need to be ordered separately																				
	HDC-HM2C70-MC	113060100459																		
	HDC-HM2C70-FC		113060200443																	
Description	Conductor section	Order number		Scale drawings	Dimension unit															
描述 接触对 Contact Pairs	截面积 (mm ²)	订货号		比例图	尺寸单位 (mm)															
		公针 Male	母针 Female																	
	6	114020502320	114021002301																	
	10	114020502118	114021002106																	
	16	114020502119	114021002107																	
	25	114020502120	114021002108																	
				<table border="1"> <thead> <tr> <th>Wire gauge</th> <th>线 规</th> <th>剥线长度</th> </tr> </thead> <tbody> <tr> <td>6mm²</td> <td>AWG10</td> <td>15.5mm</td> </tr> <tr> <td>10mm²</td> <td>AWG8</td> <td>15.5mm</td> </tr> <tr> <td>16mm²</td> <td>AWG5</td> <td>15.5mm</td> </tr> <tr> <td>25mm²</td> <td>AWG3</td> <td>15.5mm</td> </tr> </tbody> </table>	Wire gauge	线 规	剥线长度	6mm ²	AWG10	15.5mm	10mm ²	AWG8	15.5mm	16mm ²	AWG5	15.5mm	25mm ²	AWG3	15.5mm	
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* 更多针孔详见 183 页, 压接工具详见 180 页 -3

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 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				
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				