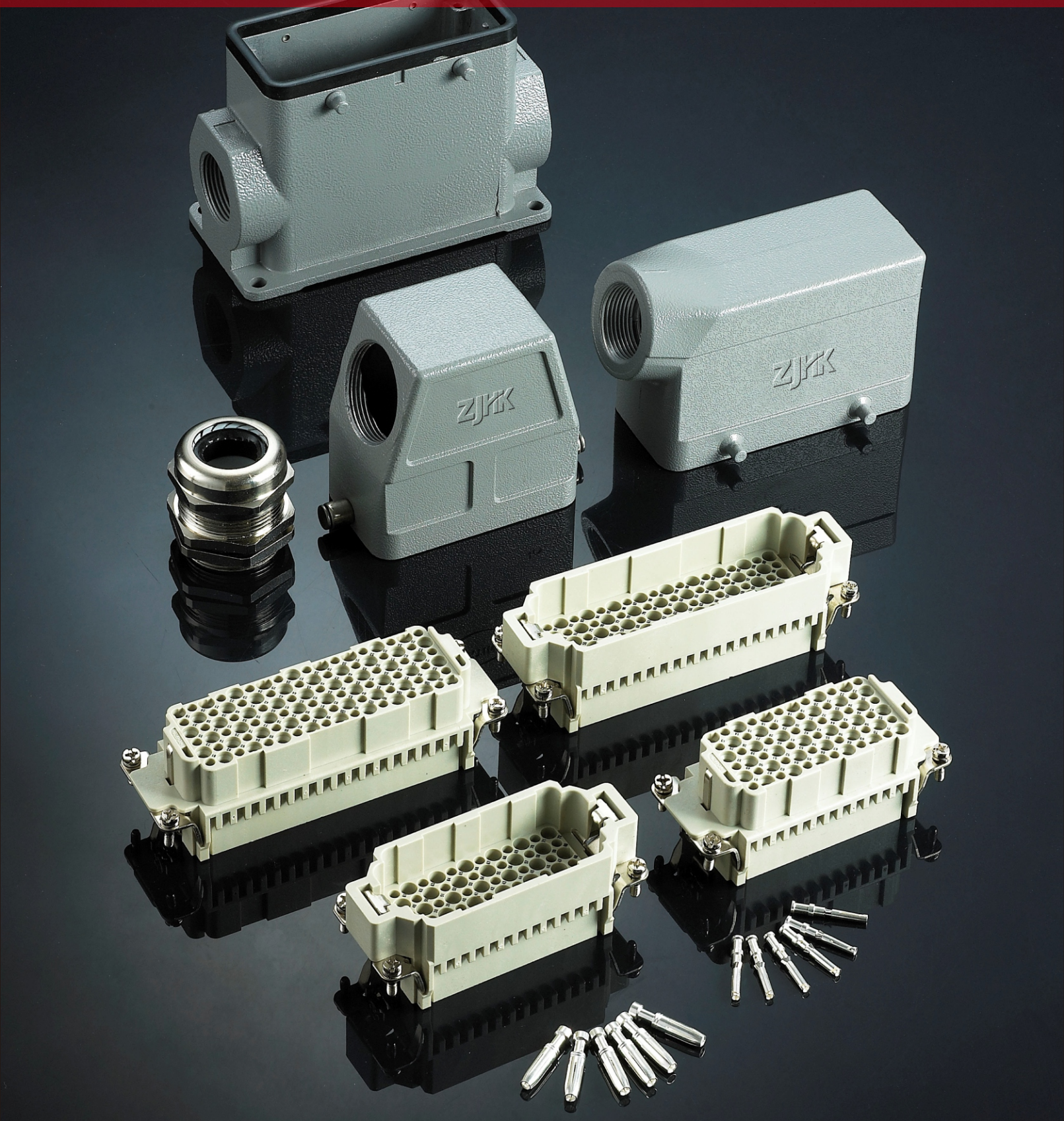
HDD 系列 / HDD SERIES

超高密度型连接器 / Ultra-high Density Connector



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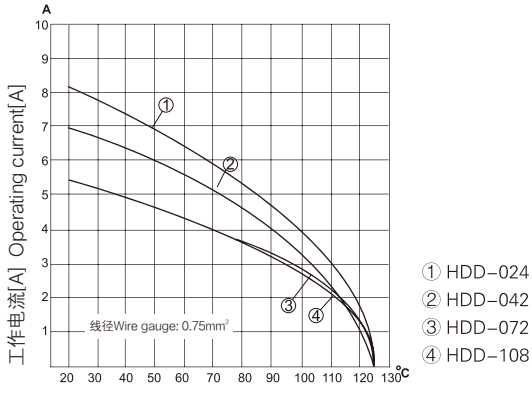
HDD 系列 / HDD SERIES

技术参数 Technical Characteristics

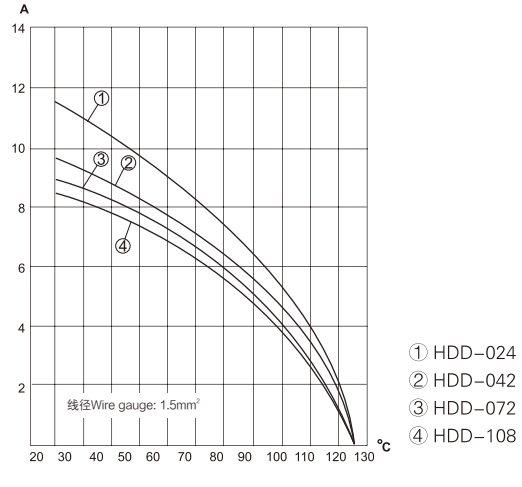
规范	Specifications	
规范	Specifications	DIN EN 60 664
		DIN EN 61 984
插芯	Inserts	
依据 EN 61 984的额定电压	Electrical Data Acc. To EN 61 984	
接插件针数	Number Of Contacts	24,42,72,108,144(72X2),216(108X2)+PE
额定电流	Rated Current	10A
额定电压	Rated Voltage	250V
额定脉冲电压	Rated Impulse Voltage	4kV
污染程度	Pollution Degree	3
污染等级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	≥10^{10}Ω
材料	Material	聚碳酸酯 Polycarbonate
工作温度范围	Limiting Temperatures	−40℃...+125℃
依据UL94阻燃等级	Flammability Acc. To UL94	V0
可拔插次数	MecHEnical 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	≤3mΩ
螺钉连接	Screw Terminal	
导线规格	Wire Gauge	0.14−2.5mm²
AWG	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 Measuring and testing techniques according to DIN EN 60512−5



环境温度 Ambient temperature [℃]



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HDD调整插针分布可提高工作电压至500V / Modified contact arrangement up to 500V

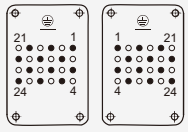
HD接插体在装满针时,在绝缘等级3(C)时,其工作电压可达到250V。但其插针分布经过调整,同样在绝缘等级3(C)时,其工作电压允许值可达到500V。

The connector series HDD equipped with all contacts may be used for voltages up to 250V ~ pollution degree 3.A modified contact loading arrangement permits use up to 500V ~ pollution degree also in pollution degree C.

调整后插针分布 Contact arrangement view from termination side

10A 400V 6kV 3

12+⏚



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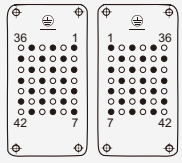

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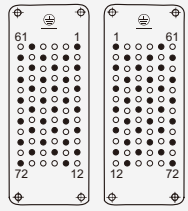
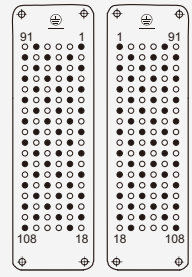
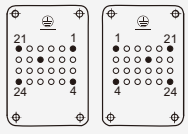


52+⏚



10A 500V 6kV 3

5+⏚



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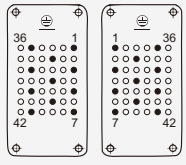
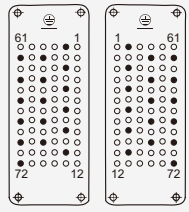
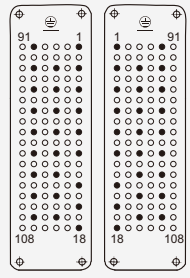


17+⏚



26+⏚



● 装有插针的插孔 Working contact　　M 公接插体 Male insert

○ 不装有插针的插孔 Without contact　　F 母接插体 Female insert