

HA系列 / HA SERIES



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HA系列技术特性/technical characteristics

HA系列 技术特性

HA technical characteristics



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 IEC 60512-3

Control and test procedures according to DIN IEC 60512-3

规范/Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61984

插接体/Inserts

接插件针数/Number of contacts 3,4,10,16,32(2x16)
+PE

HA-003/004

工作电流/working current
(见负载图/see current carrying capacity) 10A

工作电压/working voltage
-Polluting degree 2 230/400V

HA-010/016

工作电流/working current
(见负载图/see current carrying capacity) 16A

工作电压/working voltage 250V

污染等级/Pollution degree 3

额定脉冲耐受电压/Rated impulse voltage 4KV

绝缘电阻/Insulation resistance $\geq 10^{10}\Omega$

材料/Material Polycarbonate

工作温度范围/Temperature range $-40^{\circ}\text{C} \dots +125^{\circ}\text{C}$

阻燃等级 (UL94)/Flammability acc.to UL94 V0

据UL/CSA工作电压/working voltage acc.to UL/CSA 600V

可拨插次数/Mechanical working life(mating cycles) ≥ 500

接插针/Contacts

材料/Material 铜/Copper alloy

表面处理/Surface 镀银/Hard silver-plated
镀金/Hard gold-plated

接触电阻/Contact resistance $\leq 1\text{m}\Omega$ or $3\text{m}\Omega$

接线形式/Terminal

螺钉连接/Screw terminal

导线规格/Wire gauge

1.0-2.5mm² AWG 18-14

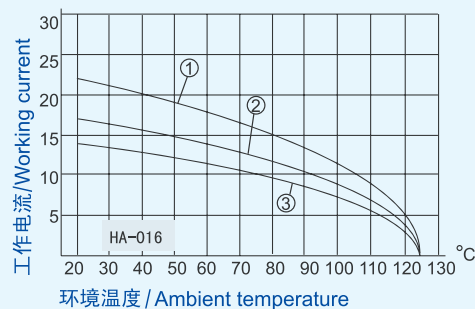
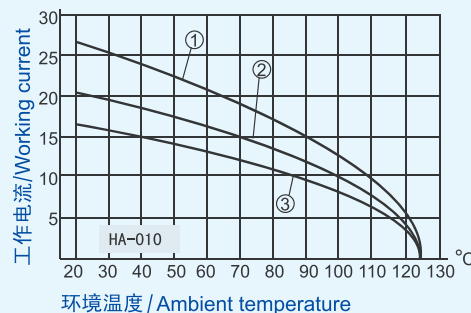
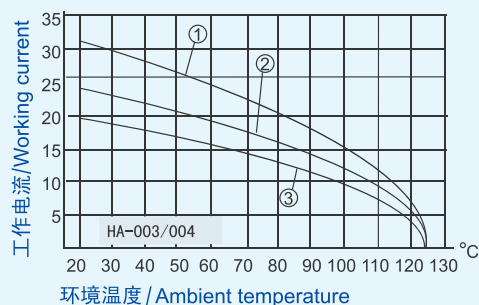
拧紧力矩/Tightening torque

0.25Nm(HA-003/004) or 0.5Nm(HA-010/016)

冷压连接/Crimp terminal

导线规格/Wire gauge

0.14-4.0mm² AWG 26-12



- ① 线径/Wire gauge: 2.5mm²
- ② 线径/Wire gauge: 1.5mm²
- ③ 线径/Wire gauge: 1.0mm²

螺丝连接/Screw terminal



HA-003-M



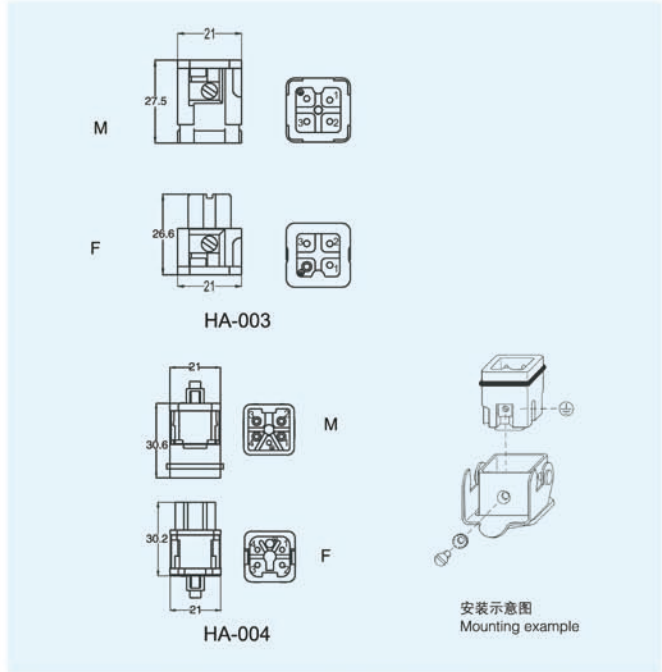
HA-003-F



HA-004-M



HA-004-F



外壳详细参数见“外壳部分” Hood/Housing detail on 'Hood/Housing' section ★高结构/high construction

HA-003/004 插芯/Insert B

2B 上壳、1扣下壳/Hood with 2B & Housing with 1L
金属外壳/Size 3A metal hoods & housings¹⁾

上壳 Hood	螺纹 Thread	订货号 Order No.
	M20	H3A-SE-2B-M20
	PG11	H3A-SE-2B-PG11
	M20	H3A-TE-2B-M20
	PG11	H3A-TE-2B-PG11

下壳 Hood	螺纹 Thread	订货号 Order No.	
	无盖/Without Cover		
	---	H3A-BK-1L	
	带金属盖/With metal Cover		
(带密封垫) With sealing	---	H3A-BK-1L-MCV	
		M16	H3A-SF-1L-M16
M20		H3A-SF-1L-M20	
PG11		H3A-SF-1L-PG11	
(带密封垫) With sealing		M20	H3A-CCT-1L-M20
		PG11	H3A-CCT-1L-PG11
(带密封垫) With sealing		---	H3A-BK-1L-SE

1) 塑料外壳请查阅第101页,
FOR THE PLASTIC HOODS & HOUSINGS, PLS FIND PAGE 101,

250V/I6A

Size I0A I0+ ⊕

插芯/Insert

螺丝连接/Screw connection



HA-010-M

HA-010-F

冷压连接/Crimp connection

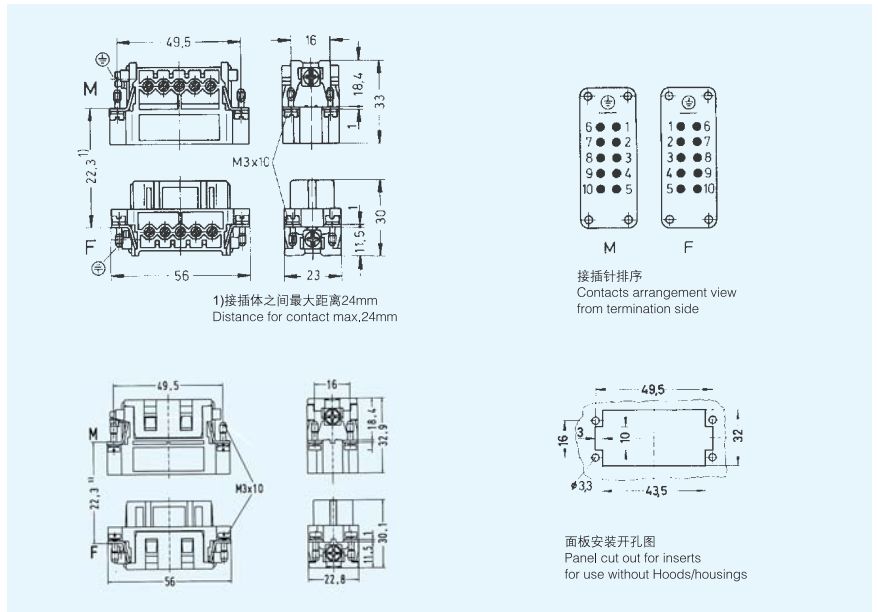


HA-010-MC

HA-010-FC



*冷压压接需另外订购16A冷压针详情请参见第128页。
*Crimp terminal should order contacts pins separately, detail please find the page 128.



2耳上壳、1扣下壳/Hoods with 2bolts & Housings with 1lever

外壳详细参数见“外壳部分” Hoods/Housings detail on "Hoods/Housings" section, *高结构/high construction

上壳 Hood	螺纹 Thread	订货号 Order No.	下壳 Housing	螺纹 Thread	订货号 Order No.
	M20 PG16	H10A-SE-2B-M20 H10A-SE-2B-PG16		无盖/Without Cover --- 带塑料盖/With plastic Cover ¹⁾ ---	H10A-BK-1L H10A-BK-1L-CV
	*M25 *PG16 *PG21	H10A-SEH-2B-M25 H10A-SEH-2B-PG16 H10A-SEH-2B-PG21		无盖/Without Cover M20 2M20 M25 PG16 2PG16 PG21	H10A-SF-1L-M20 H10A-SF-1L-2M20 H10A-SF-1L-M25 H10A-SF-1L-PG16 H10A-SF-1L-2PG16 H10A-SF-1L-PG21
	M20 PG13.5 PG16	H10A-TE-2B-M20 H10A-TE-2B-PG13.5 H10A-TE-2B-PG16		带塑料盖/With plastic Cover ¹⁾ M20 2M20 M25 PG16 2PG16 PG21	H10A-SF-1L-CV-M20 H10A-SF-1L-CV-2M20 H10A-SF-1L-CV-M25 H10A-SF-1L-CV-PG16 H10A-SF-1L-CV-2PG16 H10A-SF-1L-CV-PG21
	*M25 *PG16 *PG21 *---	H10A-TEH-2B-M25 H10A-TEH-2B-PG16 H10A-TEH-2B-PG21 H10A-TEH-2B			H10A-MCV-1L/1 H10A-MCV-1L/2
					H10A-MCV-2B/1 H10A-MCV-2B/2

1) 金属盖产品, 请用"MCV"替代产品型号中"CV"
FOR THE METAL COVER, PLS REPLACE THE CV WITH MCV IN THE PART NO.

螺丝连接/Screw connection



HA-016-M

HA-016-F

冷压连接/Crimp connection

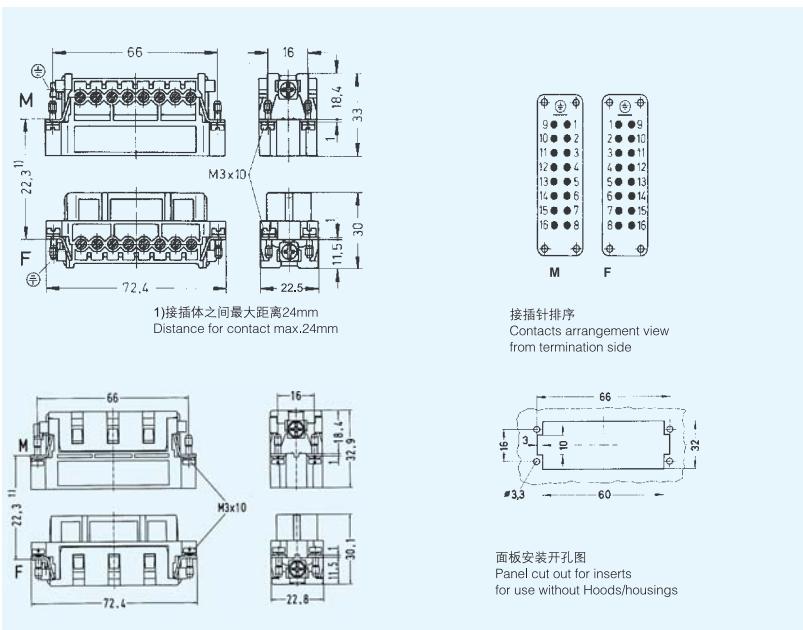


HA-016-MC

HA-016-FC



*冷压连接需另外订购16A冷压针详情请参见第128页。
*Crimp terminal should order contacts pins separately, detail please find the page 128.



外壳详细参数见“外壳部分” Hoods/Housings detail on "Hoods/Housings" section, *高结构/high construction

2耳上壳、1扣下壳/Hoods with 2bolts & Housings with 1lever

上壳 Hood	螺纹 Thread	订货号 Order No.	下壳 Housing	螺纹 Thread	订货号 Order No.
	M20 PG16	H16A-SE-2B-M20 H16A-SE-2B-PG16		无盖/Without Cover --- 带塑料盖/With plastic cover ¹⁾ ---	H16A-BK-1L H16A-BK-1L-CV
	*M25 *PG16 *PG21	H16A-SEH-2B-M25 H16A-SEH-2B-PG16 H16A-SEH-2B-PG21		无盖/Without Cover M20 2M20 M25 2M25 PG16 2PG16 PG21	H16A-SF-1L-M20 H16A-SF-1L-2M20 H16A-SF-1L-M25 H16A-SF-1L-2M25 H16A-SF-1L-PG16 H16A-SF-1L-2PG16 H16A-SF-1L-PG21
	M20 PG16	H16A-TE-2B-M20 H16A-TE-2B-PG16		带塑料盖/With plastic cover ¹⁾ M20 2M20 M25 2M25 PG16 2PG16 PG21	H16A-SF-1L-CV-M20 H16A-SF-1L-CV-2M20 H16A-SF-1L-CV-M25 H16A-SF-1L-CV-2M25 H16A-SF-1L-CV-PG16 H16A-SF-1L-CV-2PG16 H16A-SF-1L-CV-PG21
	*M25 *PG16 *PG21 *---	H16A-TEH-2B-M25 H16A-TEH-2B-PG16 H16A-TEH-2B-PG21 H16A-TEH-2B			H16A-MCV-1L/1 H16A-MCV-1L/2
					H16A-MCV-2B/1 H16A-MCV-2B/2

1) 金属盖产品，请用“MCV”替代产品型号中“CV”
FOR THE METAL COVER, PLS REPLACE THE CV WITH MCV IN THE PART NO.

250V/I6A

Size 32A 32+ ⊕

插芯/Insert

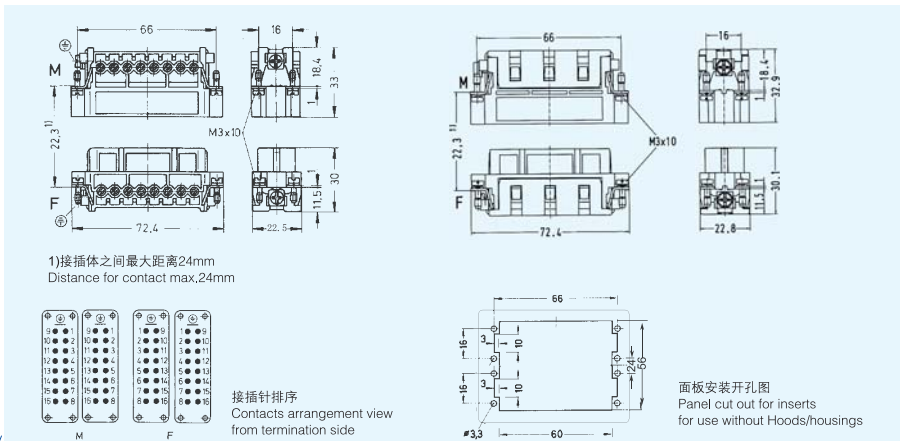
螺丝连接/Screw connection



冷压连接/Crimp connection



*冷压压接需另外订购16A冷压针详情请参见第128页。
*Crimp terminal should order contacts pins separately, detail please find the page 128.



外壳详细参数见“外壳部分” Hoods/Housings detail on "Hoods/Housings" section, *高结构/high construction

4耳上壳、2扣下壳/Hoods with 4bolts & Housings with 2lever

上壳 Hood	螺纹 Thread	订货号 Order No.
	M25 PG21	H32A-SE-4B-M25 H32A-SE-4B-PG21
	*M32 *PG21 *PG29	H32A-SEH-4B-M32 H32A-SEH-4B-PG21 H32A-SEH-4B-PG29
	*M25 *M32 *PG21 *PG29	H32A-TEH-4B-M25 H32A-TEH-4B-M32 H32A-TEH-4B-PG21 H32A-TEH-4B-PG29

下壳 Housing	螺纹 Thread	订货号 Order No.
	—	H32A-BK-2L
	M25 M32 2M32 PG21 2PG21 PG29 2PG29	H32A-SF-2L-M25 H32A-SF-2L-M32 H32A-SF-2L-2M32 H32A-SF-2L-PG21 H32A-SF-2L-2PG21 H32A-SF-2L-PG29 H32A-SF-2L-2PG29

2扣上壳、4耳下壳/Hoods with 2levers & Housings with 4bolts

上壳 Hood	螺纹 Thread	订货号 Order No.
	M25 PG21	H32A-SE-2L-M25 H32A-SE-2L-PG21
	*M32 *PG21 *PG29	H32A-SEH-2L-M32 H32A-SEH-2L-PG21 H32A-SEH-2L-PG29
	*M25 *M32 *PG21 *PG29	H32A-TEH-2L-M25 H32A-TEH-2L-M32 H32A-TEH-2L-PG21 H32A-TEH-2L-PG29

下壳 Housing	螺纹 Thread	订货号 Order No.
	无盖/Without Cover —	H32A-BK-4B
	带塑料盖/With plastic Cover ¹⁾ —	H32A-BK-4B-CV
	无盖/Without Cover M25 M32 2M32 PG21 2PG21 PG29 2PG29	H32A-SF-4B-M25 H32A-SF-4B-M32 H32A-SF-4B-2M32 H32A-SF-4B-PG21 H32A-SF-4B-2PG21 H32A-SF-4B-PG29 H32A-SF-4B-2PG29
	带塑料盖/With plastic Cover ¹⁾ M25 M32 2M32 PG21 2PG21 PG29 2PG29	H32A-SF-4B-CV-M25 H32A-SF-4B-CV-M32 H32A-SF-4B-CV-2M32 H32A-SF-4B-CV-PG21 H32A-SF-4B-CV-2PG21 H32A-SF-4B-CV-PG29 H32A-SF-4B-CV-2PG29

1) 金属盖产品, 请用"MCV"替代产品型号中"CV"
FOR THE METAL COVER, PLS REPLACE THE CV WITH MCV IN THE PART NO.