

支持的设备型号
Supported Models
HCMXP-MD16-D



HPP2090013-00B	
Date	2025-01-03
CN	安装说明
EN	Instruction Sheet

1. 安全注意事项 (Safety precautions)

本说明书涉及产品均为开放型外壳设计。要求用户使用产品时，务必将产品安装于具有防尘、防潮以及免于电击 / 冲击等意外的控制柜内，并且需要设置保护措施以防止非维护人员不当操作或意外导致设备故障或损坏，造成不可避免的人员危险和财产损失。

The products involved are all open-type housing designs. Therefore they should be installed in a control cabinet that is free of airborne dust, humidity, electric shock, and vibration. The cabinet should prevent non-maintenance staff from operating the products or accidents from happening in case danger and damage may occur on the products.

更详细的信息请参考 M 系列说明书及硬件操作手册。
Please refer to the M series instructions or hardware operation manual for more detailed information.

2. 通用电气及环境规格 (General electrical and environmental specifications)

2.1 通用电气规格 (General electrical specifications)			
型号 (Model)	额定功率: W	Rated power: W	额定电压
HCMXP-MD16-D	2	2	DC24V, 电压范围: DC20.4~28.8V
			Rated voltage
			DC24V, voltage range: DC20.4~28.8V

* 注: 所有型号均为安全特低电压输入产品。
*Note: All models are featured by the SELV input type.

2.2 环境规格 (Environmental requirements)			
项目	Item	规格	Specifications
海拔高度	Altitude	≤2000m	≤2000m
使用环境	Operating environment	控制柜内安装，开放式及室内使用	Installation within a control cabinet, open-type and indoor use
工作温度	Operating temperature	0~55℃	0~55℃
储存温度	Storage temperature	-25~75℃	-25~75℃
环境湿度	Ambient humidity	10~95%RH (无结露)	10~95%RH (non-condensation)
振动耐受	Vibration resistance	5~150Hz (X/Y/Z方向, 1g/3.5mm位移)	5~150Hz (X/Y/Z direction, 1g /3.5mm displacement)
污染等级	Pollution degree	污染度II	Level 2
冷却方式	Cooling method	自然冷却	Natural air cooling
防护等级	IP rating	IP20	IP20
外壳材质	Enclosure material	阻燃材料	Self-extinguishable

* 注: 如果以制造商未规定的方式使用设备，可能会损坏设备。
*Note: The equipment may be damaged if used in a manner not specified by the manufacturer.

3. 安装说明 (Installation instructions)

3.1 控制柜安装 (Installation within a control cabinet)

CN	设备冷却方式为自然冷却或通过加装风扇进行冷却，请保证安装方向与柜壁垂直； 请参考右侧示意图，在设备的周围留有足够的空间，并排安装时，建议横向两侧预留 20mm 以上间距。	
EN	Please install the product perpendicular to the wall and ensure a sufficient cooling effect via natural air or a cooling fan. Please leave enough clearance around the product as shown in the right figure. During a side-by-side installation, please leave a horizontal clearance of more than 20 mm on both sides.	

3.2 导轨拆装 (DIN rail mounting and dismounting)

CN	安装耦合器时，将双向联动卡扣上部紧扣在 DIN 导轨上，并向导轨侧按压模块，听到“咔哒”声，耦合器即成功安装于 DIN 导轨上（安装前应保证双向联动卡扣处于紧锁状态，否则可能导致安装故障）；拆卸耦合器时，将双向联动卡扣向上拉动一定距离，听到“咔哒”声后，取下耦合器即可。		①向上拉动双向联动卡扣 Pull up to unlock the DIN rail mounting latch	②取下耦合器 Detach the coupler	紧锁状态 (Locked)	释放状态 (Unlocked)
EN	Before installation, check that the DIN rail mounting latch is in a locked state. During mounting, position the upper part of the mounting latch of the coupler on the DIN rail, and then press the module towards the DIN rail until a clear click is heard (which indicates the latch is momentarily opened and locked onto the rail). During dismounting, pull the latch upwards until a clear click is heard (which indicates the latch is unlocked), and then directly detach the coupler.					

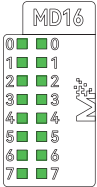
3.3 可拆卸端子拆装 1 (Removable terminal block mounting and dismounting I)

CN	可拆卸端子拆装如右图所示。	
EN	The mounting and dismounting of the removable terminal block are shown in the figures on the right side.	

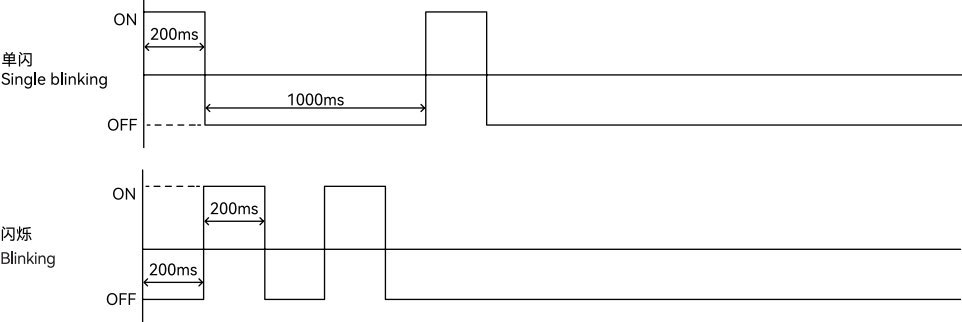
3.4 可拆卸端子拆装 2 (Removable terminal block mounting and dismounting II)

CN	安装可拆卸端子排时，将端子排底部对准模块底部凹槽并紧扣，上部对齐模块并向内施压，当听到“咔哒”声即完成组装；拆卸端子排时，向下按压端子排顶部卡扣，使其脱离模块本体并以底部卡扣呈圆弧状斜向下施力，将端子排取下。	
EN	During mounting, align the mounting hook at the bottom of the terminal block to the guide of the module and press inwards on the terminal block until a clear click is heard (which indicates the terminal block has been locked to the module). During dismounting, press the lock lever on the terminal block and then detach it from the module.	

EXT	右侧扩展故障 (Right-side expansion error)	红色 (Red)		熄灭 Not Lit	右侧扩展模块正常	The right-side expansion module is functioning normally.
				闪烁 Blinking	1. 右侧扩展模块报错或掉线 2. 右侧连接的模块为不能识别的模块	The right-side expansion module reports an error or is disconnected. The module connected on the right side is unrecognizable.
I N (0~7)	输入 (Input)	绿色 (Green)		熄灭 Not lit	输入通道 N 未检测到输入信号	The input channel N has not detected an input signal
				常亮 Lit	输入通道 N 检测到输入信号	The input channel N has detected an input signal
Q N (0~7)	输出 (Output)	绿色 (Green)		熄灭 Not lit	输出通道 N 无输出信号	The output channel N has no output signal
				常亮 Lit	输出通道 N 有输出信号	The output channel N has an output signal



* 注 1：RUN 指示灯闪烁频率说明。
*Note 1: RUN indicator blinking frequency description.



* 注 2：ERR 指示灯闪烁频率说明。
*Note 2: ERR indicator blinking frequency description.

6. 端子及配线说明（Terminal and wiring description）

型号(Model)	类型(Type)	输入 (Input)		输出 (Output)	
		PNP	NPN	PNP	NPN
HCMXP-MD16-D		○	○	-	○

* 注：○：代表支持该类型；-：代表不支持该类型。
*Note: The symbol "○" indicates that the type is supported. The symbol "-" indicates that the type is not supported.

DC24V电源端子说明 (DC24V power supply terminal description)		接线 (Wiring)
24V		
0V		

IO端子说明 (IO terminal description)				HCMXP-MD16-D	接线 (Wiring)
0		10	I0	Q0	
1		11	I1	Q1	
2		12	I2	Q2	
3		13	I3	Q3	
4		14	I4	Q4	
5		15	I5	Q5	
6		16	I6	Q6	
7		17	I7	Q7	
8		18	S0	COM	