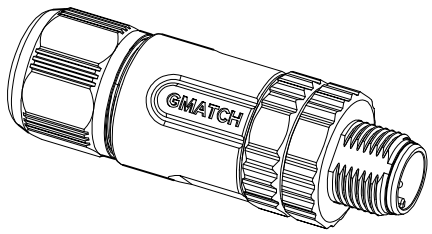
版次 Rev.	ECN编号 ECN No.	修改说明 Reversion Description	设计 Designed	审核 Checked	核准 Approved

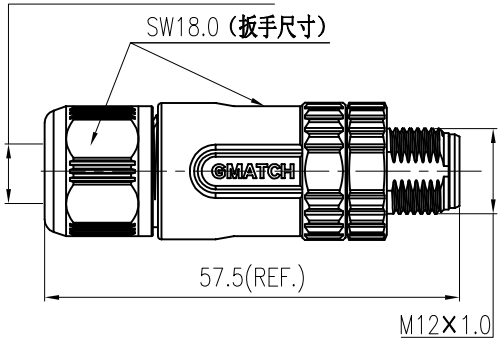
CONNECTOR PARAMETERS 连接器参数

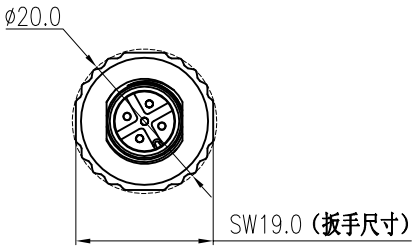
CONNECTOR TYPE 连接器类型	M12 A-CODE
CORE NUMBER 芯数	3/4/5/8
RATED VOLTAGE 额定电压	250/250/60/30 V
RATED CURRENT（40℃） 额定电流	4/4/4/2 A (40℃)
WITHSTAND VOLTAGE 耐电压	1.4/1.4/1.0/0.65 kV (R.M.S)
INSULATION RESISTANCE 绝缘强度	≥500MΩ
CONTACT MATERIAL 接触件材质	COPPER ALLOY 铜合金
TERMINAL TYPE 端接类型	CRIMP 冷压接
SHELL MATERIAL 外壳材质	ZINC CASTING/PA66+GF 铸锌/PA66+GF
INSERTS MATERIAL 插体材质	PA66+GF
OPERATING TEMPERATURE 工作温度	-40℃~+85℃
IP DEGREE IP 等级	IP67
WIRE GAUGE RANGE 线芯范围	0.14-0.75mm² (3,4,5) 0.14-0.50mm² (8)
FLAMMABILITY 阻燃性	UL 94-V0
MECHANICAL OPERATION 机械寿命循环	≥100 cycles

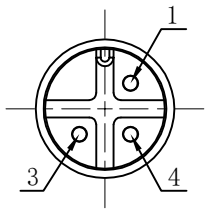
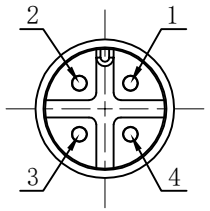
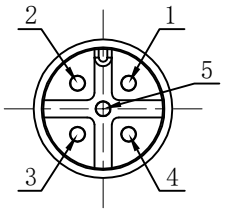
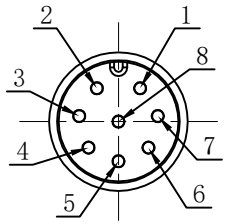


3D MODEL / 3D模型

适配电缆OD范围（4-6,6-8）





M12A-PM03C-TD(4-6) M12A-PM03C-TD(6-8)	M12A-PM04C-TD(4-6) M12A-PM04C-TD(6-8)	M12A-PM05C-TD(4-6) M12A-PM05C-TD(6-8)	M12A-PM08C-TD(4-6) M12A-PM08C-TD(6-8)
			
孔位示意图(3芯) HOLES ARRANGEMENT（3CORE）	孔位示意图(4芯) HOLES ARRANGEMENT（4CORE）	孔位示意图(5芯) HOLES ARRANGEMENT（5CORE）	孔位示意图(8芯) HOLES ARRANGEMENT（8CORE）

NOTE: 0X :接触件PIN数。NUMBER OF CONTACTS .
DXX:适配电缆外径范围。THE RANGE OF CABLE OD SUITED .

自由公差 Free Tolerances	第三视角 3RD-Projection		单位 Unit	mm	名称 Name	M12A 3/4/5/8芯压接型塑料直头公插	重量 Weight	XXg
长度尺寸 Length Dimensions X. ±0.20 .X ±0.10 .XX ±0.05	核准 Approved						材料 Material	/
	审核 Checked				型号 Designation	M12A-PM0XC-TDXX	版本 Rev.	X1
	工艺 Craft				图号 Figure No.	/		
角 度 Angle X. ±1.0° .X ±0.5°	标检 Standarded				图面规格 Size	A4	比例 Scale	1:1
	设计 Designed				页码 Sheet	1 / 1		

GMATCH 厦门固迈电气有限公司

档案员 Archivist	
日 期 Date	