



技术参数 Technical Parameter		
参数	Specifications	技术指标 Technical Data
输入数据	Input Data	
温度范围	Temperature ranges	-50°C...+200°C
探头长度	Probe length	18mm(selectable) max.1000mm
耐压性	Pressure resistance	600bar
机械连接	Mechanical connection	G1/4-A G1/2-A 1/4-18NPT/NPTF G3/8-A
锁紧扭力	Torque value	20N.m 45N.m
输出数据	Output data	
输出信号	Output signal	Selectable
开关类型	Type	-1PNP Transistor switching output -2PNP Transistor switching outputs (only in conjunction with electr.com.M12X1,4pole)
开关方向	Switching direction	N/C/C/O function
输出量	Output load	≤500mA per Switching output
精度	Accuracy	≤±1.5%F.S typ ≤±3.0%F.S max
重复精度	Repeatability(at 25°C)	≤±1.0%F.S max
开关延迟	Rising switch point and Falling switch point delay	32ms standard(8...2000ms pre-set to customer spec.)
环境条件	Environmental conditions	
温度补偿	Compensated temperature range	-10~+70°C
工作温度	Operating temperature range	-40~+85°C
储存温度	Storage temperature range	-40~+85°C
流体温度	Fluid temperature range	-50~200°C
EMC 抗干扰	EMC Test	EN 6100-6-1/2/3/4
耐振性	Vibration resistance to DIN EN 60068-2-6 at 10~2000Hz	≤25g
耐冲击	Shock resistance to DIN EN60068	100g/6ms/half sine 500g/1ms/half sine
防护等级	Protection class to DIN 40050	IP67
其他数据	Other data	
电气连接	Electrical connection	M12X1 4-pole male M12X1 5-pole male
工作电压	Operating voltage	12/24VDC±4VDC)
供电电流	Power supply current	<10mA
重量	Weight	approx.300g

选型表 Model code

RTT55 X X-X-X-X-XXX(000)

电气接口 Electrical connection

- 6=M12X1 4pole,male
- 8=M12X1 5pole,male

机械接口 Mechanical connection

- 1=G1/2-A DIN3852(male)
- 2=1/2-14NPT
- 3=1/4-18NPT
- 4=G1/4-A DIN3852-E
- M=客户定制

输出信号 Signal

- 1=1 路开关量输出  
电气连接选“6”
- 2=2 路开关量输出  
电气连接选“6”
- 3=1 路开关量和 1 路模拟量输出 4~20mA  
电气连接选“8”
- 4=2 路开关量和 1 路模拟量输出 4~20mA  
电气连接选“8”

操作温度 (°C) Operating temperature

- 1=-30°C~+130°C
- 2=-40°C~+150°C
- 3=-50°C~+150°C
- 4=-50°C~+200°C
- M=客户定制

保护管直径 D ( mm ) Protective tube diameter

- 6=6mm
- 8=8mm
- 10=10mm
- M=客户定制

内置长度 ( mm ) Built-in length

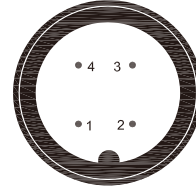
- 020:L=20mm
- 050:L=50mm
- 500:L=500mm
- L:15~1000mm 范围内可选

其他选项 other options

- 000=标准 (不带线)
- 020=2m 电缆线 (含对应母头)
- 050=5m 电缆线 (含对应母头)

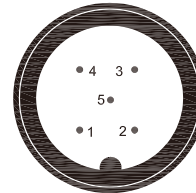
接线定义 pin connections:

M12X1 4-pole male



Pin	RTT5560
1	+24VDC
2	SP1
3	GND
4	SP2

M12X1 5-pole male



Pin	RTT5580
1	+24VDC
2	SP1
3	GND
4	SP2
5	4~20mA