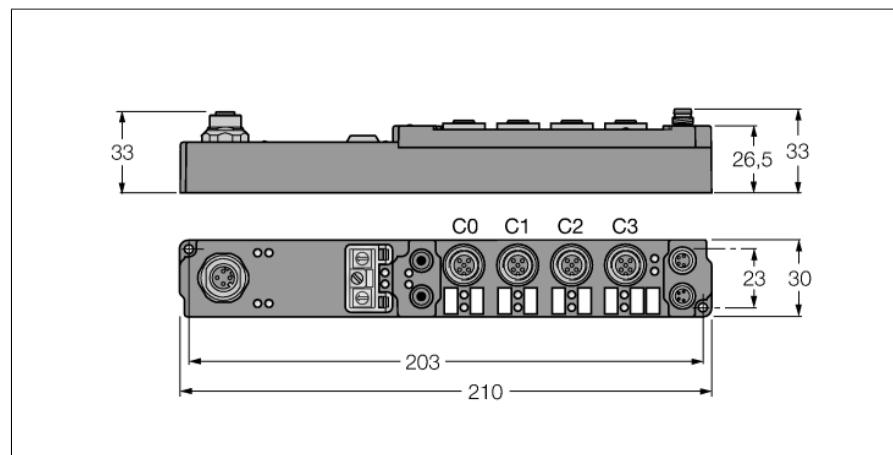


# 用于Modbus TCP的piconet耦合模块

## 4通道pnp输入滤波3ms

## 4 Digital Outputs 0.5 A

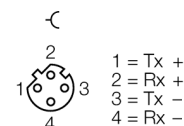
## SENL-0404D-0002



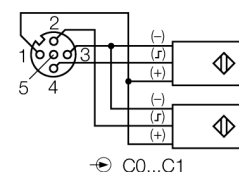
|                            |                                      |
|----------------------------|--------------------------------------|
| 型号                         | SENL-0404D-0002                      |
| 货号                         | 6824481                              |
| 通道数                        | 8                                    |
| 工作/负载电压                    | 20...29 VDC                          |
| 工作电流                       | ≤ 100 mA                             |
| Transmission rate Ethernet | 10/100 Mbps                          |
| Addressing modes Ethernet: | via coded rotary switches            |
| 服务接口                       | parameterisation via I/O-ASSISTANT   |
| 电气隔离                       | Ethernet for operating voltage       |
| Fibre-optic length         | ≤ 15 m                               |
| 通道数                        | 4 digital inputs acc. to EN 61131-2  |
| 输入电压                       | 20...29 VDC via operating voltage    |
| 低电平信号电压                    | -3...5 VDC (EN 61131-2, type 2)      |
| 高电平信号电压                    | 11...30 VDC (EN 61131-2, type 2)     |
| 输入延迟                       | 3 ms                                 |
| 最大输入电流                     | 6 mA                                 |
| 通道数                        | 4 digital outputs acc. to EN 61131-2 |
| 输出电压                       | 20...29 VDC, 来自负载电压                  |
| 通道输出电流                     | 0.5 A, 短路保护                          |
| 负载类型                       | 阻性, 感性, 灯                            |
| 开关频率                       | ≤ 500 Hz                             |
| 同步因数                       | 1                                    |
| 尺寸 (长/宽/高)                 | 30 x 210 x 26.5 mm                   |
| 振动测试                       | 符合EN 60068-2-6标准                     |
| 冲击测试                       | 根据 DIN EN 60068-2-27                 |
| 电磁兼容性                      | 符合EN 61000-6-2/EN 61000-6-4标准        |
| 防护等级                       | IP67                                 |
| 认证                         | CE, cULus                            |

- 配置接口
- 功能参数化
- 通过I/O-ASSISTANT支持
- 直接连接至现场总线
- 直接连接至IP Link
- 玻璃光纤加固外壳
- 模块电路封装
- 金属接插件
- 防护等级IP67

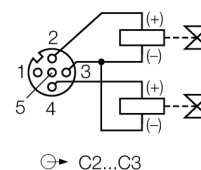
### M12 × 1 以太网



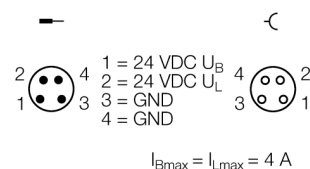
### M12 × 1 输入



### M12 × 1 输出



### M8 × 1 电源



$$I_{Bmax} = I_{Lmax} = 4 A$$

LEDs

|             | LINK <sub>green</sub> | ACT <sub>green</sub> | EIP R <sub>green</sub> | EIP E <sub>red</sub> | Function                       |
|-------------|-----------------------|----------------------|------------------------|----------------------|--------------------------------|
| Ethernet    | ON                    |                      |                        |                      | physical connection present    |
|             | OFF                   |                      |                        |                      | no physical connection present |
|             |                       | flashing             |                        |                      | bus traffic present            |
|             |                       | OFF                  |                        |                      | no bus traffic present         |
| EtherNet/IP |                       |                      | ON 0,5 s               | OFF                  | IP address ok                  |
|             |                       |                      | OFF                    | OFF                  | no IP address                  |
|             |                       |                      | ON                     | OFF                  | online                         |
|             |                       |                      | ON 0,1 s               | OFF                  | offline PLC stop               |
|             |                       |                      | OFF                    | ON 0,5 s             | time out                       |
|             |                       |                      | OFF                    | ON                   | IP address conflict            |

|                         | LED designation | Status <sub>green</sub> | Status <sub>red</sub> | Function                                          |
|-------------------------|-----------------|-------------------------|-----------------------|---------------------------------------------------|
| IP-Link / module status | RUN / ERR (I/O) | flickers/ON             | OFF                   | Receiving error-free IP-Link protocols            |
|                         |                 | flickers                | flickers              | Receiving faulty IP-Link protocols                |
|                         |                 | OFF                     | flickers              | Receiving faulty IP-Link protocols / system fault |
|                         |                 | OFF                     | ON                    | No receipt of IP-Link protocols / module error    |
| Inputs                  | 0...3           | OFF                     |                       | Input inactive (not dampened)                     |
|                         |                 | ON                      |                       | Input active (dampened)                           |
| Outputs                 | 4...7           | OFF                     |                       | Output inactive (not switched)                    |
|                         |                 | ON                      |                       | Output active (switched)                          |
| Power supply            | U <sub>B</sub>  | OFF                     |                       | Operating voltage U <sub>B</sub> < 18 VDC         |
|                         |                 | ON                      |                       | Operating voltage U <sub>B</sub> ≥ 18 VDC         |
|                         | U <sub>L</sub>  | OFF                     |                       | Load voltage U <sub>L</sub> < 18 VDC              |
|                         |                 | ON                      |                       | Load voltage U <sub>L</sub> ≥ 18 VDC              |

过程映像中的数据

|                                                    |        | Bit 7        | Bit 6                                                                                        | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
|----------------------------------------------------|--------|--------------|----------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| Each 4 bit input and 4 bit output data are mapped. | Input  | Byte n (M8)  | Is used by the physically following bit-oriented extension module connected via the IP Link. |       |       | C3P4  | C2P4  | C1P4  | C0P4  |
|                                                    |        | Byte n (M12) |                                                                                              |       |       | C1P2  | C1P4  | C0P2  | C0P4  |
|                                                    | Output | Byte n (M8)  |                                                                                              |       |       | C7P4  | C6P4  | C5P4  | C4P4  |
|                                                    |        | Byte n (M12) |                                                                                              |       |       | C3P2  | C3P4  | C2P2  | C2P4  |

C... = Connector no., P... = Pin no.