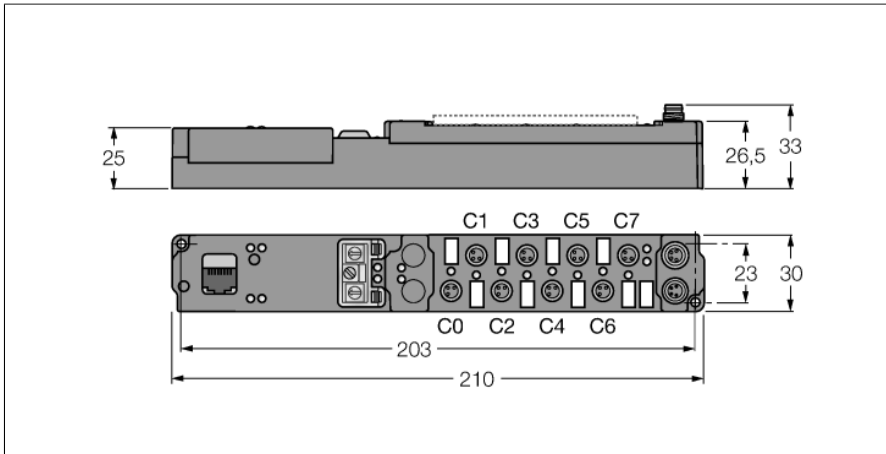


# piconet Coupling Module for Modbus TCP

## 4 Digital PNP Inputs Filter 3 ms

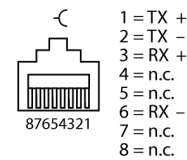
## 4 Digital Outputs 0.5 A

### SENL-0404D-0003

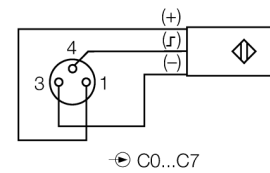


- Configuration interface
- Configurable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Direct connection to the IP link
- Fibre-glass reinforced housing
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

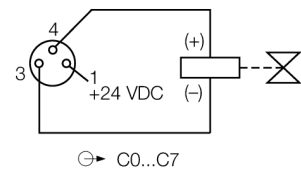
#### RJ45 Fieldbus



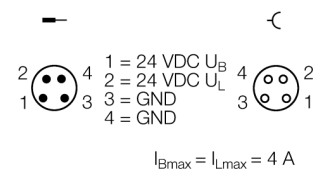
#### M8 × 1 Input



#### M8 × 1 Output



#### M8 × 1 Power Supply



Type	SENL-0404D-0003
ID	6824242
Number of channels	8
Operating / load voltage	20...29 VDC
Operating current	≤ 100 mA
Transmission rate Ethernet	10/100 Mbps
Addressing modes Ethernet:	via coded rotary switches
Service interface	parameterisation via I/O-ASSISTANT
Electrical isolation	Ethernet for operating voltage
Fibre-optic length	≤ 15 m
Number of channels	4 digital inputs acc. to EN 61131-2
Input voltage	20...29 VDC via operating voltage
Low-level signal voltage	-3...5 VDC (EN 61131-2, type 2)
High level signal voltage	11...30 VDC (EN 61131-2, type 2)
Input delay	3 ms
Max. input current	6 mA
Number of channels	4 digital outputs acc. to EN 61131-2
Output voltage	20...29 VDC from load voltage
Output current per channel	0.5 A, short-circuit proof
Load type	resistive, inductive, lamp load
Switching frequency	≤ 500 Hz
Simultaneity factor	1
Dimensions (W x L x H)	30 x 210 x 26.5 mm
Vibration test	Acc. to EN 60068-2-6
Shock test	acc. to DIN EN 60068-2-27
Electromagnetic compatibility	Acc. to EN 61000-6-2/EN 61000-6-4
Protection class	IP67
Approvals	CE, cULus

## 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

## Data in process image

		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.