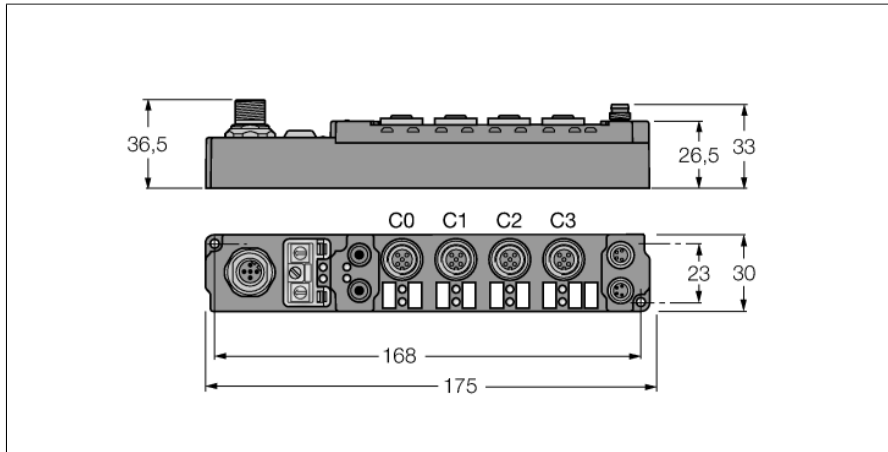


# piconet Coupling Module for DeviceNet

## 4 Digital PNP Inputs Filter 3 ms

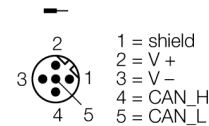
## 4 Digital Outputs 0.5 A

### SDNL-0404D-0004

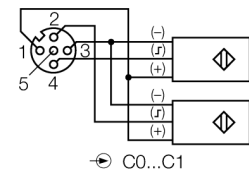


- Configuration interface
- Configurable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Direct connection to the IP link
- Fibre-glass reinforced housing
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

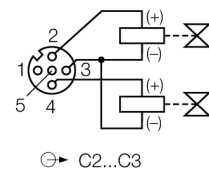
#### M12 × 1 Fieldbus



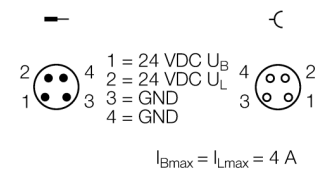
#### M12 × 1 Input



#### M12 × 1 Output



#### M8 × 1 Power Supply



Type	SDNL-0404D-0004
ID	6824225
Number of channels	8
Operating / load voltage	20...29 VDC
Operating current	≤ 60 mA
Fieldbus transmission rate	125/250/500 kbps
Fieldbus addressing	0 to 99
Service interface	parameterisation via I/O-ASSISTANT
Electrical isolation	Fieldbus to operational 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 175 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

	LED designation	Status green	Status red	Function
DeviceNet™	RUN / ERR (DN)	flashes		Start up successful / module is assigned to master
		ON		Module is assigned to master / data exchange with master OK
		OFF		V+, V- (24 VDC) not yet applied / transmission rate not yet detected
			flashes	I/O connection interrupted
			ON	MacID double assignment
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	
4 bit input data and output data each are mapped.	Input	Byte 0				Is used by the physically following bit-oriented extension module connected via the IP Link.	C1P2	C1P4	C0P2	C0P4
	Output	Byte 0					C3P2	C3P4	C2P2	C2P4

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