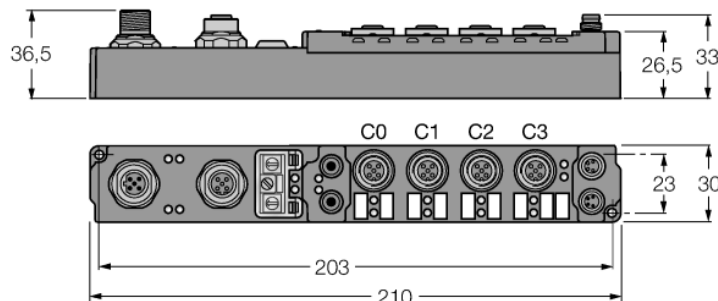
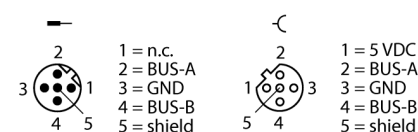


piconet® coupling module for PROFIBUS-DP
4 digital pnp inputs filter 3 ms
4 digital outputs 0.5 A
SDPL-0404D-1004

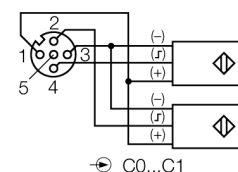


- configuration interface
- Configurable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Direct connection to the IP link
- Fibre-glass reinforced housing
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

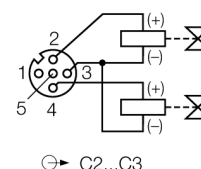
Złącze magistrali M12 × 1



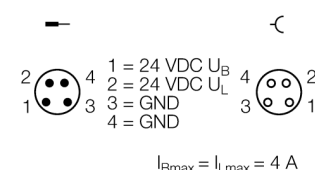
Wejście M12 × 1



Wyjście M12 × 1



Zasilanie M8 × 1



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

Typ	SDPL-0404D-1004
Nr kat.	6824451
Liczba kanałów	8
Napięcie pracy / obciążenia	20...29 VDC
Prąd pracy	≤ 100 mA
Prędkość transmisji sieciowej	9.6 kbps ... 12 Mbps
Adresowanie sieciowe	0 to 99
Interfejs serwisowy	parameterisation via I/O-ASSISTANT
Izolacja elektryczna	Fieldbus to operational voltage
Fibre-optic length	≤ 15 m
Liczba kanałów	4 digital inputs acc. to EN 61131-2
Napięcie wejściowe	20...29 VDC via operating voltage
Sygnał napięciowy niskiego poziomu	-3...5 VDC (EN 61131-2, type 2)
Sygnał napięciowy wysokiego poziomu	11...30 VDC (EN 61131-2, type 2)
Opóźnienie wejścia	3 ms
Maks. prąd wejścia	6 mA
Liczba kanałów	4 digital outputs acc. to EN 61131-2
Napięcie wyjścia	20...29 VDC from load voltage
Prąd wyjściowy na kanał	0.5 A, short-circuit proof
Typ obciążenia	resistive, inductive, lamp load
Częstotliwość przełączania	≤ 500 Hz
Współczynnik równoczesności	1
Dimensions (W x L x H)	30 x 210 x 26.5mm
Temperatura pracy	0...+55 °C
Temperatura składowania	-25 to 85 °C
Test wibracyjny	as per EN 60068-2-6
Test przeciążeniowy/wstrząsowy	acc. to DIN EN 60068-2-27
Kompatybilność elektromagnetyczna	according to EN 61000-6-2/EN 61000-6-4
Klasa ochrony	IP67
Certyfikaty	CE, cULus

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LEDs

	LED designation	Status green	Status red	Function
PROFIBUS-DP	RUN / ERR (PB)	ON	ON	Module waits for communication
		OFF	ON	Module searching for set transmission rate
		OFF	OFF	Module waits for cyclic communication
		ON	flashes	Module has detected transmission rate / start-up fault
		ON	OFF	RUN I/O OFF: DP start-up successful, no data exchange
		ON	OFF	RUN I/O ON: Module is exchanging data
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 _B	OFF		Operating voltage U _B < 18 VDC
		ON		Operating voltage U _B ≥ 18 VDC
	U _L	OFF		Load voltage U _L < 18 VDC
		ON		Load voltage U _L ≥ 18 VDC

Dane z odwzorowania procesu

			Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Coupling module parameter Byte alignment is "disabled" (default) and the previous byte has been completely used. 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
Coupling module parameter Byte alignment is activated. 1 byte input data and output data each are mapped.	Input	Byte 0	idle	idle	idle	idle	C1P2	C1P4	C0P2	C0P4
	Output	Byte 0	C3P2	C3P4	C2P2	C2P4	idle	idle	idle	idle

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

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TURCK

Industrial
Automation

LED status Gateway

LED	Color	Status	Description
RUN/ERR PB	green	on	Module waiting for communication
	red	on	
	green	off	Module searching for transmission rate
	red	on	
	green	off	Module waiting for cyclic communication
	red	off	
	green	on	Transmission rate found
	red	flashing	
	green	on	PROFIBUS-DP start-up completed
	red	off	
RUN/ERR I/O	green	off	No data exchange
	red	off	
	green	on	Module is in cyclic data exchange
	red	off	

LED status IOs

LED	Color	Status	Description
Inputs	green	on	High potential at input
		off	Low potential at input
Outputs	green	on	High potential at output
		off	Low potential at output

LED status power supply

LED	Color	Status	Description
UB	green	on	Operating voltage within the defined tolerances
		off	Operating voltage below the defined tolerances
UL	green	on	Load voltage within the defined tolerances
		off	Load voltage below the defined tolerances