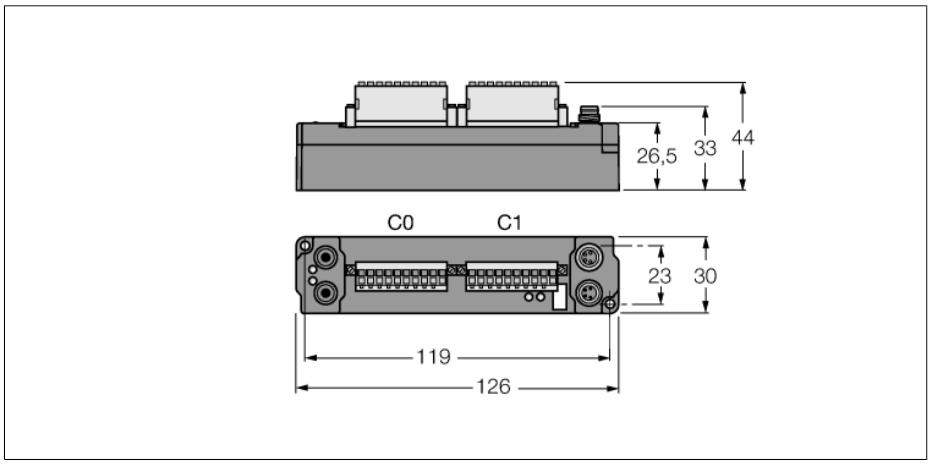
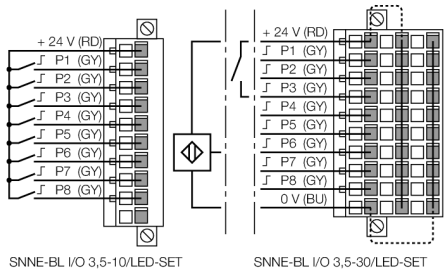
piconet® extension module for IP-Link
8 digital pnp inputs filter 3 ms
8 digital outputs 0.5 A
SNNE-0808D-0003



- **Direct connection to the IP link**
- **IP20 terminals, tension spring connections**
- **Fibre-glass reinforced PA6 housing**
- **Encapsulated module electronics**
- **Metal round connector**
- **Degree of protection IP20**

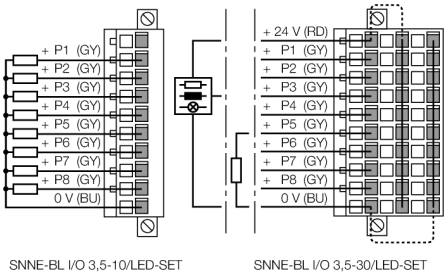
Type code	SNNE-0808D-0003
Ident no.	6824473
Operating / load voltage	20…29 VDC
Operating current	≤ 25 mA
Fibre-optic length	≤ 15 m
Number of channels	8 digital inputs acc. to EN 61131-2
Input voltage	20…29 VDC via operating voltage
Low level signal voltage	-3…5 VDC (EN 61131-2, type 2)
High level signal voltage	11…30 VDC (EN 61131-2, type 2)
Input delay	3 ms
Max. input current	6 mA
Number of channels	8 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)	30x126x26.5mm
Operating temperature	0…+55 °C
Storage temperature	-25 to 85 °C
Vibration test	as per EN 60068-2-6
Shock test	acc. to DIN EN 60068-2-27
Electro-magnetic compatibility	according to EN 61000-6-2/EN 61000-6-4
Protection class	IP67
Approvals	CE, cULus

Input IP20 terminal



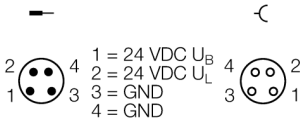
SNNE-BL I/O 3,5-10/LED-SET SNNE-BL I/O 3,5-30/LED-SET

Output IP20 terminal



SNNE-BL I/O 3,5-10/LED-SET SNNE-BL I/O 3,5-30/LED-SET

Voltage supply M8 x 1



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

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Industrial Automation

LEDs

	LED designation	Status green	Status red	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	1...8	OFF		Input inactive (not dampened)
		ON		Input active (dampened)
Outputs	1...8	OFF		Output inactive (not switched)
		ON		Output active (switched)
Power supply	U_B	OFF		Operating voltage UB < 18 VDC
		ON		Operating voltage $U_B \geq 18$ VDC
	U_L	OFF		Load voltage $U_L < 18$ VDC
		ON		Load voltage $U_L \geq 18$ VDC

Data in process image

			Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
PROFIBUS-DP coupling module: "Byte alignment" is disabled (default) and the previous byte has been used halfway. DeviceNet™, CANopen, INTERBUS, Ethernet coupling module: Byte n has been used halfway. Up to 8 bit input data and output data each are mapped.	Input	Byte n	C0P4	C0P3	C0P2	C0P1	is used by the physically preceding bit-oriented extension module connected via the IP Link.			
	Output	Byte n	C1P4	C1P3	C1P2	C1P1				
	Input	Byte n+1	is used by the physically following bit-oriented extension module connected via the IP Link.				C0P8	C0P7	C0P6	C0P5
	Output	Byte n+1					C1P8	C1P7	C1P6	C1P5
PROFIBUS-DP coupling module: "Byte alignment" is disabled (default) and the previous byte has been completely used or "byte alignment" is activated. DeviceNet™, CANopen, INTERBUS, Ethernet coupling module: The previous byte has been completely used. Up to 8 bit input data and output data each are mapped.	Input	Byte n	C0P8	C0P7	C0P6	C0P5	C0P4	C0P3	C0P2	C0P1
	Output	Byte n	C1P8	C1P7	C1P6	C1P5	C1P4	C1P3	C1P2	C1P1
	C... = Connector no. – P... = Pin no.									

Accessories

Type	Ident no.	housing	clamping point	clamping range	signal LEDs	degree of protection
SNNE-BL I/O 3,5-10/LED-SET	6824475	1-row	10	0,5...1,5 mm²	yes	IP20
SNNE-BL I/O 3,5-30/LED-SET	6824474	3-row	30	0,5...1,5 mm²	yes	IP20

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