

PROFINET – IO-Link Masters (30 mm, M12 Power), 4 Digital Inputs, 8 IO-Link Channels with M12 L-Coded Power Supply Connection

Product Description				
Туре	0980 ESL 109-121		0980 ESL 109-122	
	NEW!		NEW!	
		PROFI NET IO-Link	PROFIT NET	
Description	LioN-P PROFINET device, 4 digital input channels, M12 LAN connection, 4-poles, D-coded, M12 L-co 5-poles, 30 mm housing		LioN-P PROFINET device, 4 digital input channels, 8 IO-Link channels, M8 I/O, 5-poles, B-coded, M12 LAN connection, 4-poles, D-coded, M1 L-coded power supply, 5-poles, 30 mm housing	
Order No.	934878004		934857001	
Technical Data				
Protection Degree	IP65, IP67, IP69K (only if mo	ounted and locked in c	combination with Hirschmann/Lumberg connector)	
Ambient Temperature (Operation)	-20 °C to +70 °C			
Dimensions (W x H x D)	30 x 43.1 x 225 (mm)		30 x 43.1 x 204 (mm)	
Weight	480 g 448 g			
Housing Material		Metal, Zin	nc Die-cast	
Bus System				
Protocol	PROFINET IO Device			
Connection	M12 LAN connection, 4-poles, D-coded			
Transmission Rate	Fast Ethernet (100 Mbit/s), Full Duplex			
Rotary Address Switches		N	lo .	
Power Supply				
Nominal Voltage	24 V DC (SELV/PELV)			
Nominal Voltage Range	18 to 30 V DC			
Connection	M12, L-coded, 5-poles			
Current Carrying Capacity of Connector	16 A			
Current Consumption (typ.)	180 mA (+/-20% at 24 V DC)			
10-Link Master Channels				
Number of Channels			8	
Connection	M12, 5-poles, A-coded		M8, 5-poles, B-coded	
Number of A Ports (IOL)	4 (X1 to X4)			
Number of B Ports (IOL)	4 (X5 to X8)			
Nominal Voltage (IOL)	24 V DC via US (system power supply)			
Nominal Current C/Q (Pin 4)	500 mA			
Nominal Current L+/L- (Pin 1 and 3)	500 mA			
Nominal Current Uaux (Pin 2, B Ports)		max. 4 A p	per module	
Input Channels				
Number of Channels	max. 12, 4 x (Pin 2, fixed) + 8 x (Pin 4, configurable)			
Connection	M12, 5-poles, A-coded		M8, 5-poles, B-coded	
Channel Type			o IEC 61131-2	
Nominal Voltage	24 V DC via US (system power supply)			
Sensor Current Supply	500 mA per Port via L+/L-			
Sensor Type	PNP			
Output Channels				
Number of Channels	max. 8 (Pin 4, configurable)			
Connection	M12, 5-poles, A-coded		M8, 5-poles, B-coded	
Channel Type	p-switching			
Nominal Voltage	24 V DC via Uaux (actuator power supply)			
Output Current per Channel	max. 500 mA (Pin 4)			
Output Current per Module	max. 9 A			
Protective Circuit	Electronicaly: Overload protection, short-circuit protection			
Galvanically Isolated	No			

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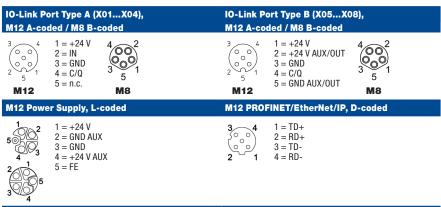


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Diagnostic Indication | 0980 ESL 109-121_| 0980 ESL 109-122

LED	Indicator	Condition	
18 A	Yellow	Channel status	
18 DIA A	Red	Periphery error	
18 B	White	Channel status	
18 DIA B	Red	Periphery error	
18 I/O-Link	Green Green blinking Off	No I/O-Link device connected I/O-Link communication available Port is not configured as I/O-Link	
P1 Lnk/Act	Green Green blinking Off	Connection to an Ethernet device I/O device exchanging data No connection to another device	
P2 Lnk/Act	Green Yellow blinking Off	Connection to an Ethernet device I/O device exchanging data No connection to another device	
BF	Red Off	Bus error, no data exchange with I/O controller via PROFINET No error message	
DIA	Red Red blinking Off	Common indicator for periphery errors Firmware update No error message	
Us	Green	Voltage 19 V <= Us <= 30 V	
Uaux	Green Red	Voltage 19 V <= UL <= 30 V UL Voltage < 19 V or UL > 30 V	

Pin Assignment



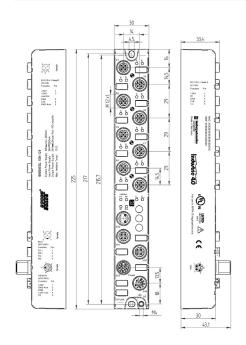
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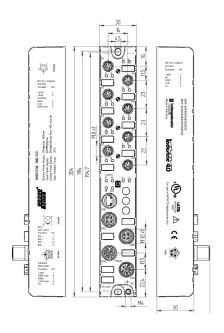
Technical Drawing

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The application of these products in harsh environments should always be checked before use. Technical modifications reserved.

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