
















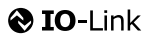


PROFINET – IO-Link Masters (30 mm, M12 Hybrid), 4 Digital Inputs, 8 IO-Link Channels, M12 or M8 I/O with M12 Hybrid Y-coded Data (LAN) and Power Supply Connection

| Product Description | |
|--|---|
| Type | 0980 ESL 109-331 |
| |          |
| |          |
| Description | LION-P PROFINET device, 4 digital input channels, 8 IO-Link channels, M12 Hybrid Y-coded data (LAN) and power supply connection, 8-poles, 30 mm housing |
| Order No. | 934862001 |
| | 934840001 |
| Technical Data | |
| Protection Degree | IP65, IP67, IP69K (only if mounted and locked in combination with Hirschmann/Lumberg connector) |
| Ambient Temperature (Operation) | -20 °C to +70 °C |
| Dimensions (W x H x D) | 30 x 43 x 204 (mm) |
| Weight | 448 g |
| Housing Material | Metal, Zinc Die-cast |
| Bus System | |
| Protocol | PROFINET IO Device |
| Connection | M12, Y-coded, 8-poles |
| Transmission Rate | Fast Ethernet (100 Mbit/s), Full Duplex |
| Rotary Address Switches | No |
| Power Supply | |
| Nominal Voltage | 24 V DC (SELV/PELV) |
| Nominal Voltage Range | 18 to 30 V DC |
| Connection | M12, Y-coded, 8-poles |
| Current Carrying Capacity of Connector | 6 A |
| Current Consumption (typ.) | 180 mA (+/-20% at 24 V DC) |
| IO-Link Master Channels | |
| Number of Channels | 8 |
| Connection | M12, 5-poles, A-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 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 |
| Channel Type | Type 1 acc. to 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 |
| 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 | Electronically: Overload protection, short-circuit protection |
| Galvanically Isolated | No |

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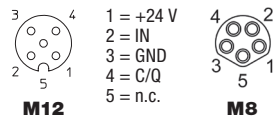
PROFINET – IO-Link Masters (30 mm, M12 Hybrid), 4 Digital Inputs, 8 IO-Link Channels, M12 or M8 I/O with M12 Hybrid Y-coded Data (LAN) and Power Supply Connection

Diagnostic Indication | 0980 ESL 109-331_| 0980 ESL 109-332

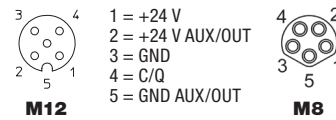
| LED | Indicator | Condition |
|------------------|---------------------------------|--|
| 1...8 A | Yellow | Channel status |
| 1...8 DIA A | Red | Periphery error |
| 1...8 B | White | Channel status |
| 1...8 DIA B | Red | Periphery error |
| 1...8 I/O-Link | Green Green blinking Off | No I/O-Link 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 |
| U _{AUX} | Green Red | Voltage 19 V ≤ U _L ≤ 30 V U _L Voltage < 19 V or U _L > 30 V |

Pin Assignment

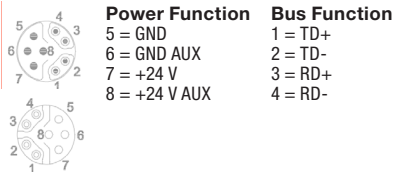
IO-Link Port Type A (X01...X04), M12 A-coded / M8 B-coded



IO-Link Port Type B (X05...X08), M12 A-coded / M8 B-coded



M12 Hybrid Power Supply and Bus Function, Y-coded

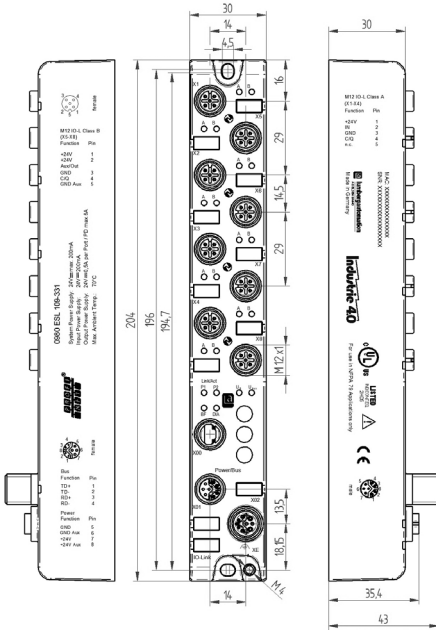


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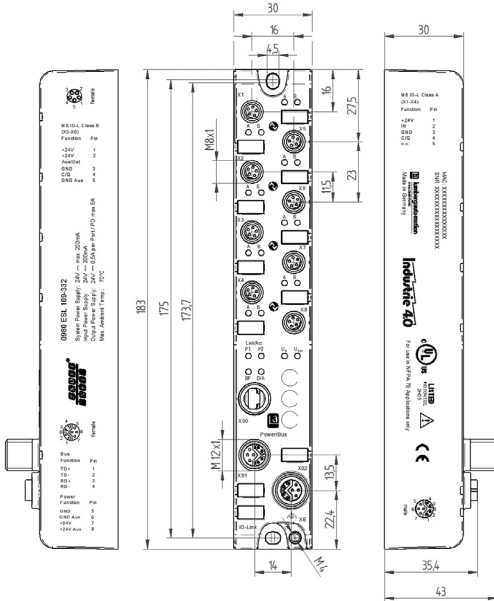
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Technical Drawing

0980 ESL 109-331



0980 ESL 109-332



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

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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