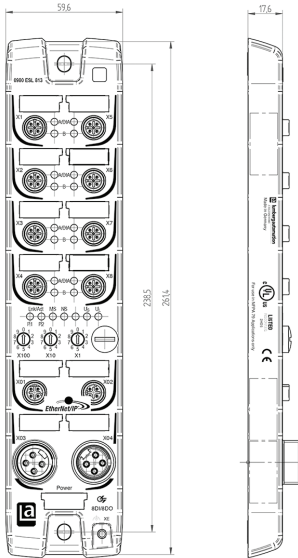


LioN-R EtherNet/IP I/O Rugged Modules with 8 Digital Inputs and 8 Digital Outputs



| | | |
|------------------------------|--|--|
| Type | 0980 ESL 813-EIP 8DI/8DO-M12-R | |
| Product Description | LioN-R Digital input and output module, 8 digital input channels and 8 output channels with galvanic isolation, EtherNet/IP devices, rotary address switches for setting addresses, M12 LAN connector, D-coded | |
| Order Number | 934 691-003 | |
| Diagnostic indication | | |
| LED | Indication | Condition |
| 1...8 A | White | Channel status |
| 1...8 DIA A | Red | Periphery error |
| 1... 8 B | White | Channel status |
| 1... 8 DIA B | Red | Periphery error |
| P1 Lnk/Act | Green Yellow flashing Off | Connection to an Ethernet device I/O device exchanging data No connection to any other device |
| P2 Lnk/Act | Green Green flashing Off | Connection to an Ethernet device I/O device exchanging data No connection to any other devices |
| MS (Module status) | Green Green flashing Red/Green flashing Red flashing Off | Device is ready for operating Wrong configuration Self test is running Firmware update Device is switches off |
| NS (Network status) | Green flashing Green Red flashing Red Red/Green flashing Off | IP address is available Connection to master is available At least one connection has timed out IP address is already being used by another device Self test is running Device is switched off/Device has no IP address |
| US | Green Red | Voltage 18V <= US<=30V Voltage US<18V or US>30V |
| UL | Green Red | Voltage 18V <= US<=30V Voltage US<18V or US>30V |

Technical modifications reserved.

| Bit assignment | | | | | | | | |
|----------------------|----|----|----|----|----|----|----|----|
| Bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| M12 Input 8DI | | | | | | | | |
| Byte 0 | 4B | 4A | 3B | 3A | 2B | 2A | 1B | 1A |
| M12 Input 8DO | | | | | | | | |
| Byte 0 | 8B | 8A | 7B | 7A | 6B | 6A | 5B | 5A |


| Pin assignment | | |
|--|--|--|
| LAN connection M12, D-coded 1 = TD+ 2 = RD+ 3 = TD- 4 = RD Housing = shielding | Power supply 7/8" 1 = +24V Actuators 2 = +24V Logic/Sensor 3 = GND (0V) Logic/Sensor 4 = GND (0V) Actuators Housing = PE | Input/Output M12 1 = +24V 2 = IN B 3 = GND (0V) 4 = IN A 5 = earth Housing = PE |

| | |
|--------------------------------|---------------------|
| Part number | Order number |
| 0980 ESL 813-EIP 8DI/8DO-M12-R | 934 691-003 |



PROFINET-ETHERNET_IP-ETHERNET-CON-SOLUTIONS_CA_V3_LOOS_LUM_0415_A_AG

LioN-R EtherNet/IP I/O Rugged Modules with 8 Digital Inputs and 8 Digital Outputs

| Product Description | |
|---|--------------------------------|
| Type | 0980 ESL 813-EIP 8DI/8DO-M12-R |
|  | |
| Technical Data | |
| Protection Class | IP67 |
| Operating Temperature Range | -10° C to +60° C |
| Weight | 605 g |
| Housing Material | Metal (diecast zinc) |
| Bus System | |
| Transmission Rate | 10/100 Mbs |
| Address Range | 0 to 255 |
| Default Address | 0 |
| Inputs | |
| Rated Input Voltage | 24V DC |
| Sensor Type | PNP (source) |
| Power Consumption of Sensor | Max. 200 mA |
| Reverse Polarity Protection | Yes |
| Short Circuit-proof | Yes |
| Number of Digital Channels | 8 |
| Status Indicator | LED white per channel |
| Diagnostic Indicator | LED red per port |
| Actuator Power Supply UL | |
| Rated Output Current | 25V DC |
| Voltage Range | 19 to 30V DC |
| Reverse Polarity Protection | Yes/antiparallel diode |
| Indicator | LED white |
| Outputs | |
| Rated Output Current | 1.6 A per channel |
| Short Circuit-proof | Yes |
| Max. Current Carrying Capacity | 9 A per module |
| Overload-proof | Yes |
| Number of Digital Channels | 8 |
| Channel Type N.O. | p-switching |
| Status Indicator | LED white per channel |
| Diagnostic Indicator | LED red per port |
| Galvanic Isolation from Electronics | Yes |
| Included in Delivery | |
| M12 Dust Covers | 4 pieces |
| Attachable Labels | 10 pieces |

The use of these products in aggressive media should be verified in each case. Technical modifications reserved.
 Certifications have been applied for UL and CSA.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9