

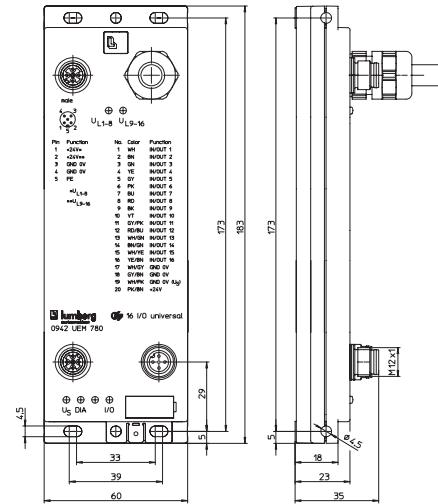
LioN-Link I/O Module with 16 Digital Inputs and Outputs

0942 UEM 780



16 IN/16 OUT (Universal)

LioN-Link I/O module with 16 digital I/O channels, channels can be used universally as inputs or outputs, multipole cable interface to connect valve terminals, control consoles, manual tool changing devices, IP20 terminal boxes.



Bit Assignment

Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	RD	BU	PK	GY	YE	GN	BN	WH
Byte 1	YE/BN	WH/YE	BN/GN	WH/GN	RD/BU	GY/PK	VT	BK
M12 Output								
Byte 0	RD	BU	PK	GY	YE	GN	BN	WH
Byte 1	YE/BN	WH/YE	BN/GN	WH/GN	RD/BU	GY/PK	VT	BK

Diagnostic Indication

LED	Indication	Condition
I/O	red red flashing green	wrong configuration /module exchanged not recognized by the BusHead online, communication with BusHead
Us	green	sensor/system power supply
Ul	green	actuator power supply
DIA	red	common indication for periphery faults

Pin Assignment

LioN-Link connection M12	Actuator connection M12
<ul style="list-style-type: none"> 1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data - 	<ul style="list-style-type: none"> 1 = +24 V (Ul 1-8) 2 = +24 V (Ul 9-16) 3 = GND (0 V) 4 = GND (0 V) 5 = Earth



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Technical Data

Environmental

Degree of protection IP 67
 Operating temperature range -10°C (+14°F) to +60°C (+140°F)

Mechanical

Weight 800 g (with 5 m cable)
 Housing material PBT

System/sensors

power supply **Us**
 Rated voltage 24 V DC
 Voltage range 19–30 V DC
 Power consumption 140 mA

Input power supply

Us
 Voltage range min. (U_{System} – 1.5 V)
 Sensor current 700 mA
 Short circuit proof yes
 Indication LED green

Input wiring

Type 3 acc. to IEC 61131-2
 Rated input voltage 24 V DC
 Channel type N.O. p-switching
 Number of digital channels max. 16

Output power supply

UL
 Rated voltage 24 V DC
 Voltage range 19–30 V DC
 Reverse polarity protection yes/antiparallel diode
 Indication LED green

Output wiring

Rated output current 0.5 A per channel
 Short circuit proof yes
 Max. output current 6 A (3 A per group)
 Group 1 Channel 1–8
 Group 2 Channel 9–16
 Overload proof yes
 Number of digital channels max. 16
 Channel type N.O. p-switching

Diagnostic

Periphery fault diagnosis for sensor short circuit, actuator short circuit, sensor low voltage detection.

Part Number

0942 UEM 780/5 M



The application of these products in harsh environments should always be checked before use.
 Specifications subject to alteration.