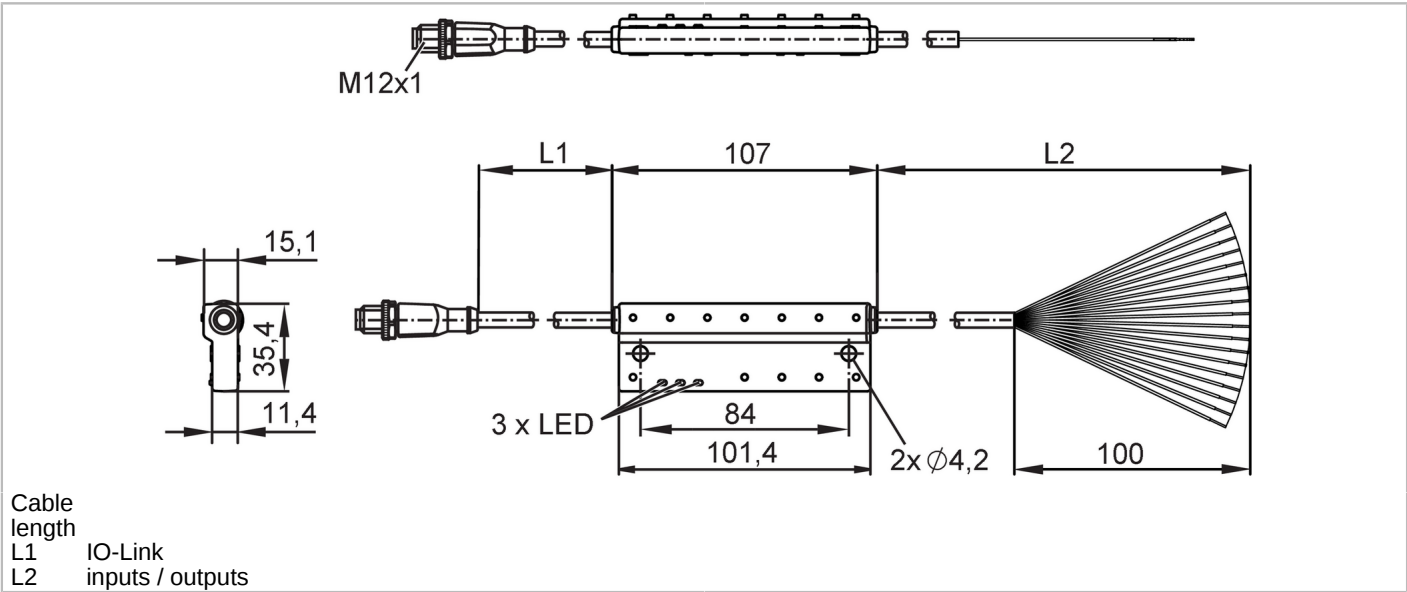


AL5021



IO-Link input/output module

IOL MOD 16xDX A 001 000 IP67



Application		
Special feature	Halogen-free; gold-plated contacts	
Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	50...1050; (US)
Protection class	III	
Inputs / outputs		
Total number of inputs and outputs	16	
Number of inputs and outputs	Number of digital inputs: 16; Number of digital outputs: 16	
Inputs		
Number of digital inputs	16; (configurable)	
Input circuit of digital inputs	PNP	
Sensor supply of the inputs	US	
Voltage supply	[V]	18...30
Outputs		
Number of digital outputs	16; (configurable)	
Max. current load outputs total	[A]	1
Short-circuit protection	yes	
Actuator supply outputs	US	
Interfaces		
Communication interface	IO-Link	
SDCI standard	IEC 61131-9	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1	
Profiles	Common - I&D	Identification and Diagnosis

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IO-Link input/output module

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SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	1	
Supported DeviceIDs	Type of operation	DeviceID
	default	1452
Note	For further information please see the IODD PDF file at "Downloads"	

Operating conditions

Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...70
Max. relative air humidity [%]	90
Max. height above sea level [m]	2000
Protection	IP 67

Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-9	
	IEC 61131-2 Type 3	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF [years]	127	

Mechanical data

Weight [g]	233
Dimensions [mm]	107 x 35.4 x 15.1
Material	housing: PA orange

Displays / operating elements

Display	Power	2 x LED, green
	fault	1 x LED, red

Remarks

Pack quantity	1 pcs.
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Electrical connection - IO-Link

Cable: 2 m, PUR, Halogen-free, black, Ø 4.3 mm; 3 x 0.34 mm² (42 x Ø 0.1 mm)

Connector: 1 x M12, straight; coding: A; Contacts: 3, gold-plated; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm



X1		
1	L+ (US)	
3	L- (US)	
4	IO-Link	

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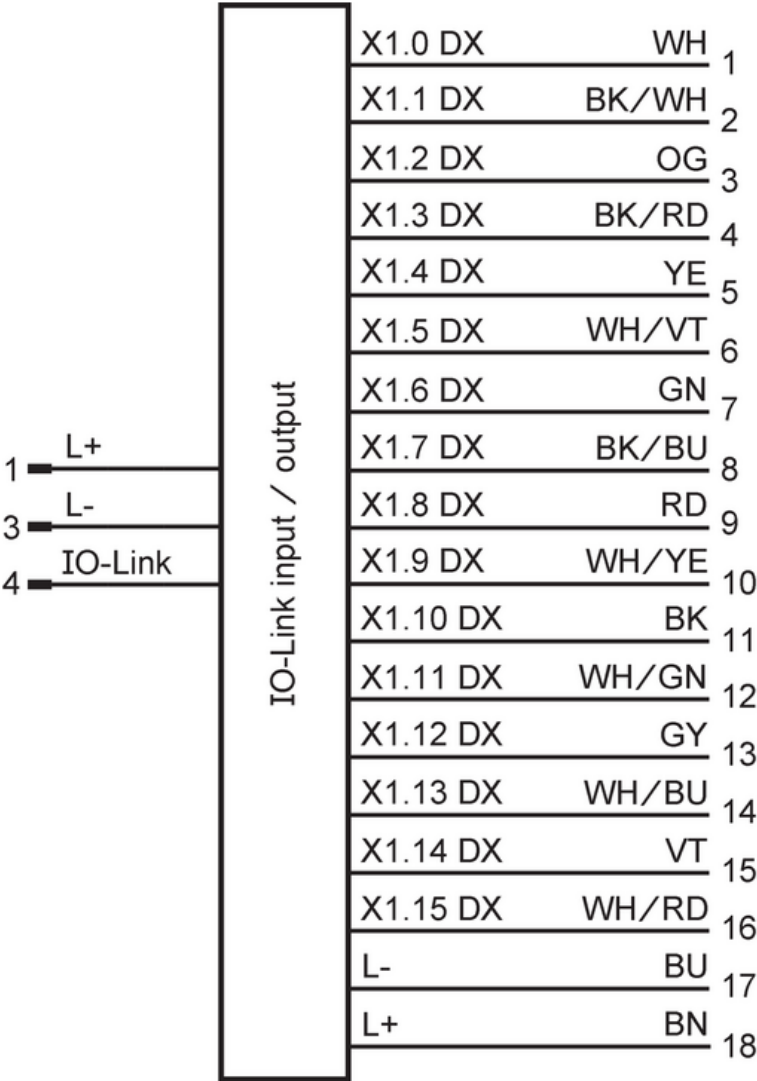
IO-Link input/output module

IOL MOD 16xDX A 001 000 IP67

Electrical connection - inputs / outputs

Cable: 1.5 m, PUR, Halogen-free, black, Ø 6.0 mm; 18 x 0.25 mm² (32 x Ø 0.1 mm)

Connection



RD = red
BU = blue
WH = white
GY = grey
BN = brown
GN = green
YE = yellow
BK= black
OG= orange
VT= lilac

Core colors :

X1.0...X1.17

1-16 I/O
17 L- (US)
18 L+ (US)