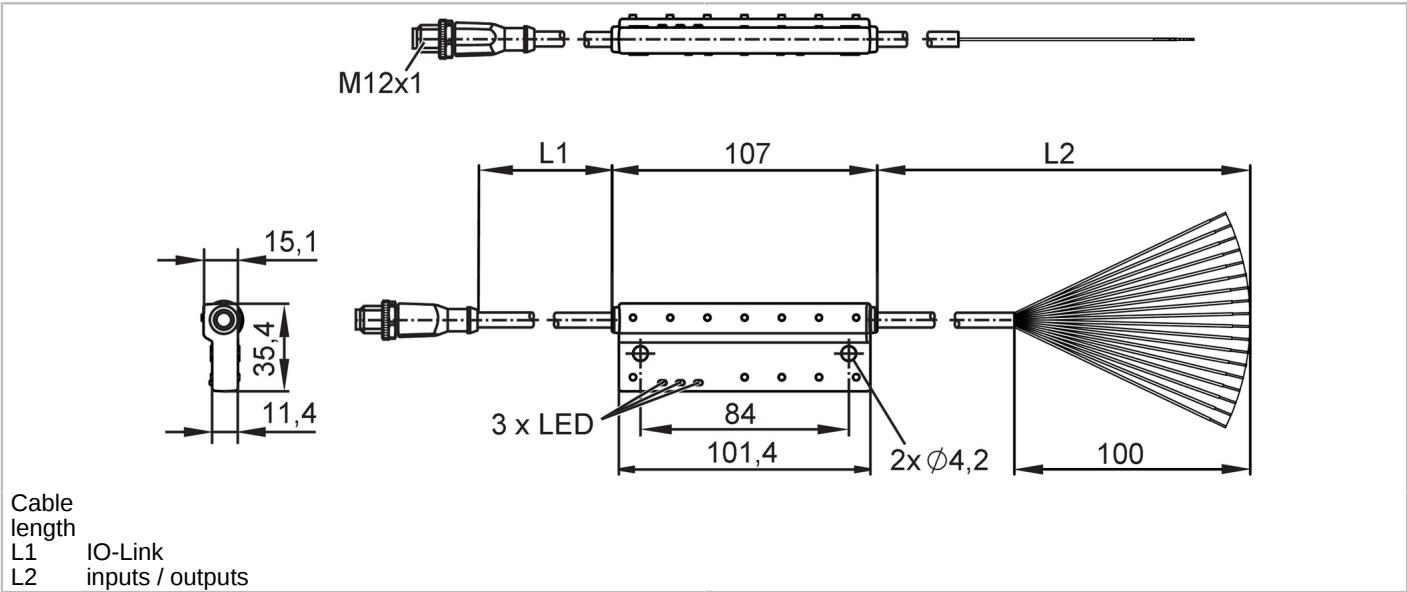


AL5020



IO-Link input/output module

IOL MOD 16xDX A 002 000 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

AL5020



IO-Link input/output module

IOL MOD 16xDX A 002 000 IP67

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]		137
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.

Electrical connection - IO-Link		
Cable: 0.5 m, PUR, Halogen-free, black, Ø 4.3 mm; 3 x 0.34 mm ² (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	

AL5020



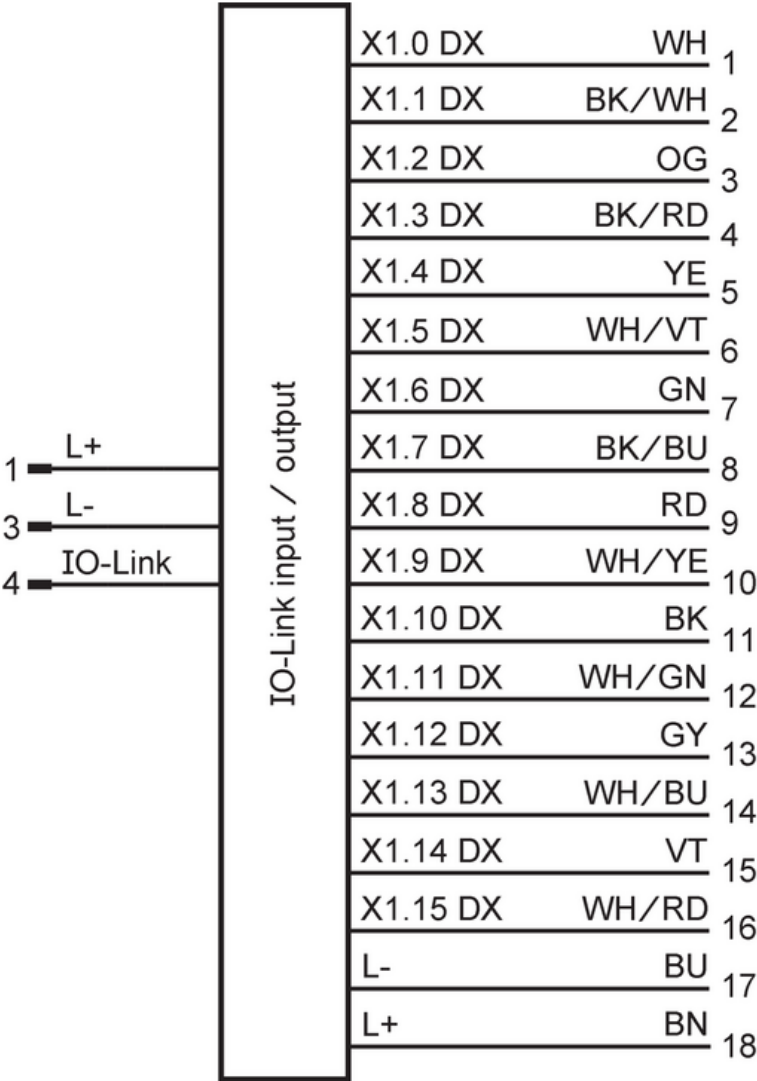
IO-Link input/output module

IOL MOD 16xDX A 002 000 IP67

Electrical connection - inputs / outputs

Cable: 0.5 m, PUR, Halogen-free, black, Ø 6.0 mm; 18 x 0.25 mm² (32 x Ø 0.1 mm)

Connection



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

X1.0...X1.17

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