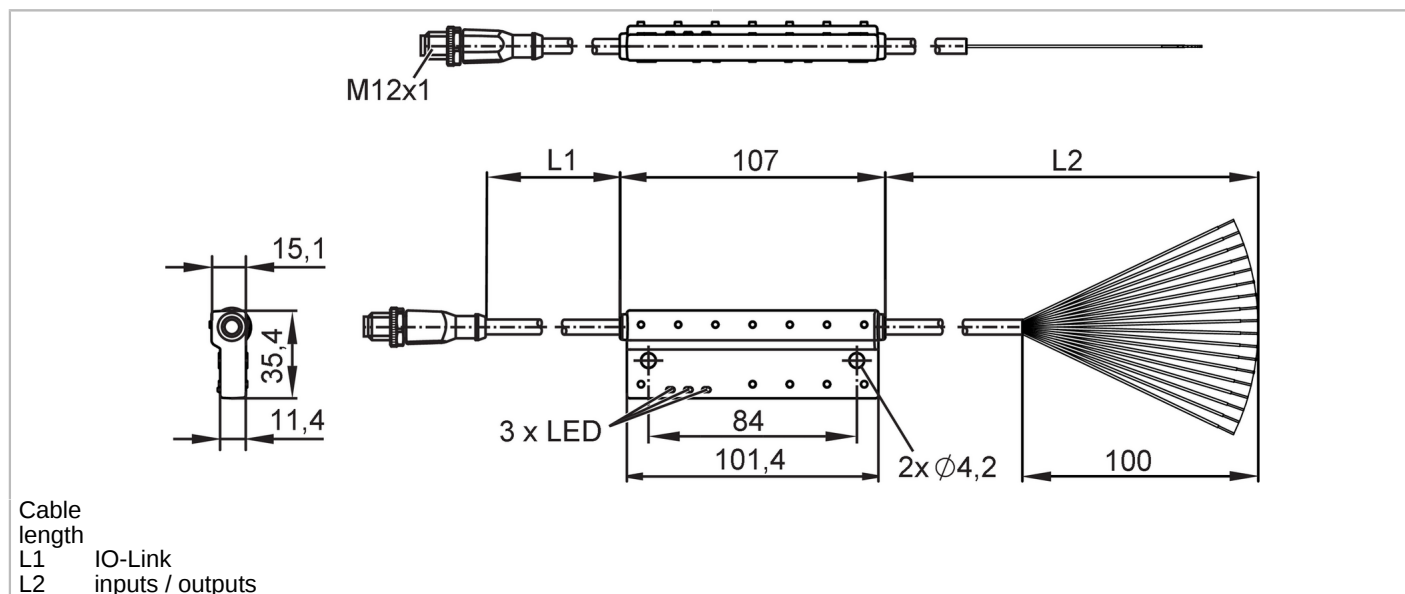


IO-Link input/output module

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; (parameterisable)

Input circuit of digital inputs

PNP

Sensor supply of the inputs

US

Voltage supply [V]

18...30

Outputs

Number of digital outputs

16; (parameterisable)

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



IO-Link input/output module

IOL MOD 16xDX A 002 000 IP67

SIO mode	no	
Required master port type	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 under "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 61000-6-4	
	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
Materials	housing: PA orange

Displays / operating elements

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

Remarks

Pack quantity	1 pcs.
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Electrical connection - IO-Link

Cable: 0.5 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



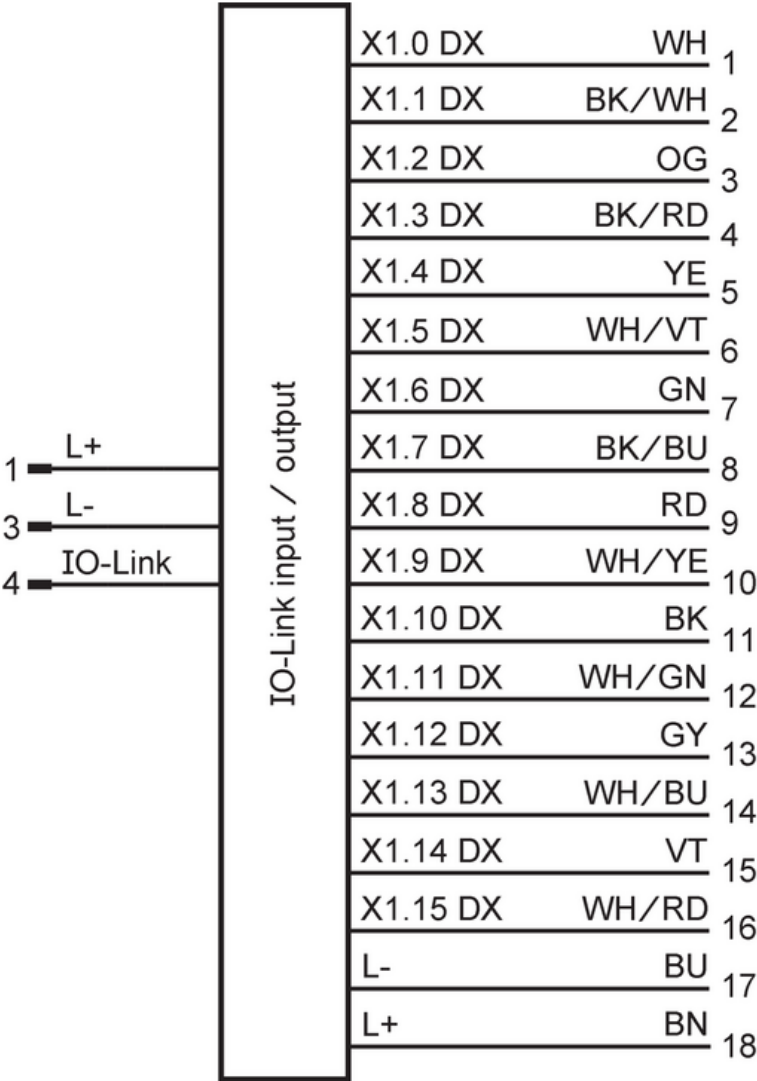
IO-Link input/output module

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



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

X1.0...X1.17

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