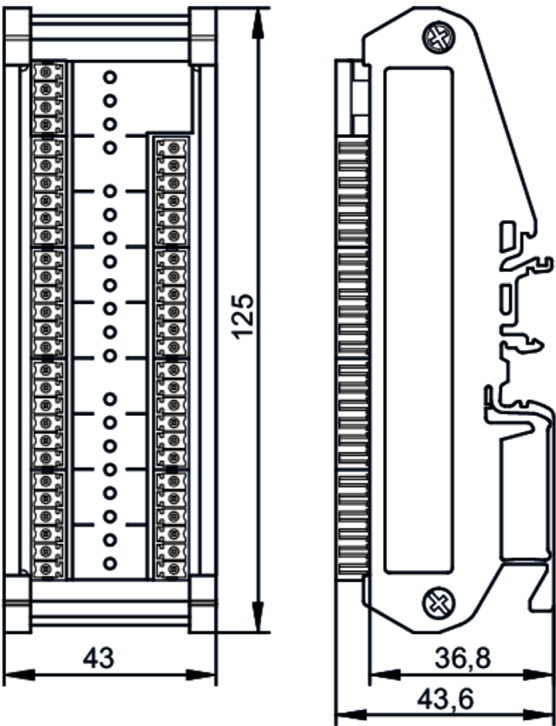


AL5121



IO-Link input/output module

IOL MOD BL 16XDX A 001 000 IP20



Application		
Application		I/O modules for use in the control cabinet or in a dust-free environment
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



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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
	Function	Locator
	Function	ProductURI
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	1	
Supported DeviceIDs	Type of operation	DeviceID
	default	1832
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 [%]	80; (40 °C; 50 % non condensing)
Max. height above sea level [m]	2000
Protection	IP 20

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	
	ISO 16750-3	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	

Mechanical data

Weight [g]	109.05
Housing	rectangular
Type of mounting	Mounting on DIN rail; (GS32, TS15, TH35 (EN 60715))
Dimensions [mm]	125 x 43 x 43.6
Material	housing: PA black

Displays / operating elements

Display	Power	2 x LED, green
	fault	1 x LED, red
	Function	16 x LED, yellow

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: terminals

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Electrical connection - IO-Link

X1		
1	L+	(US)
2	n.c.	
3	L-	(US)
4	DATA	IO-Link

Electrical connection - inputs / outputs

X1.0...X1.15		
1	L+	(US)
2	MP	DI, DO
3	L-	(US)

DATA: Communication interface; DI: digital input; DO: digital output; n.c.: not used; MP: multi-function connection