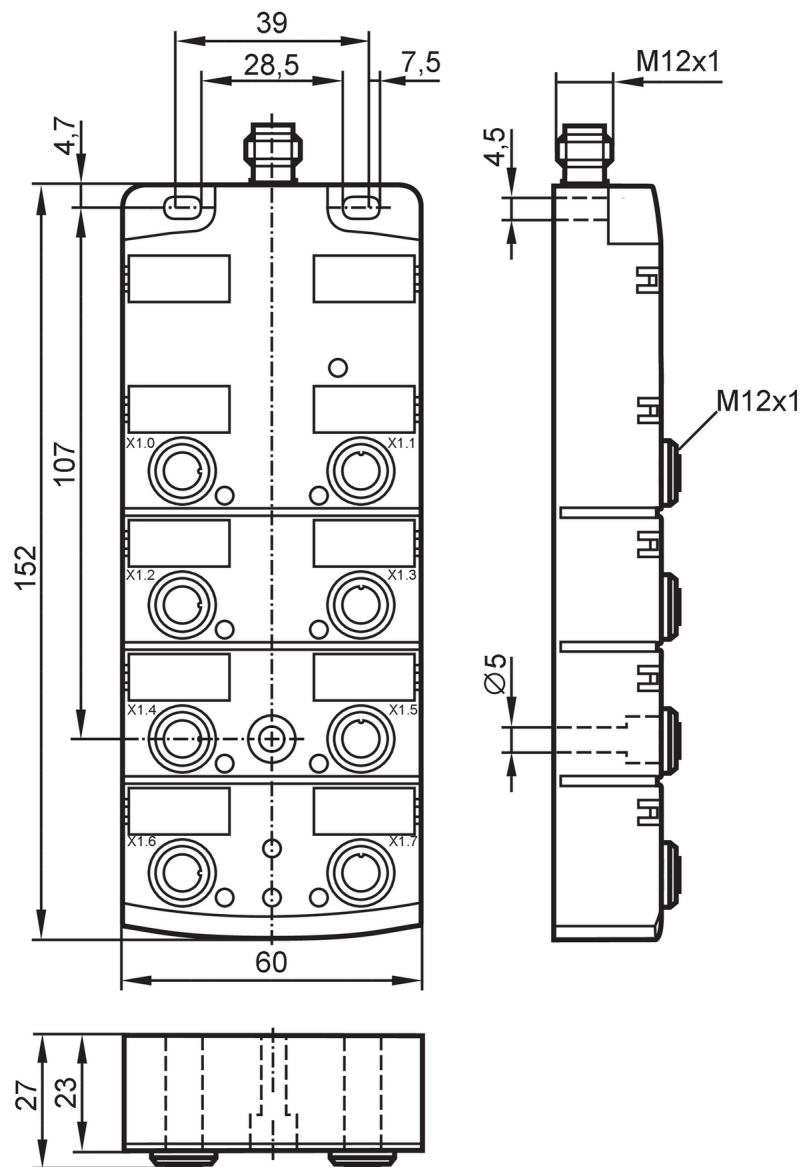


AL2401



IO-Link CompactLine module

IO-Link module 8 x 2 DI IP 67



Electrical data

Operating voltage	[V]	18...30 DC; (cULus - Class 2 source required)
Current consumption	[mA]	< 50
Sensor supply US		
Current rating per port	[A]	0.1

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 16
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Inputs

Number of digital inputs	16; (8 x 2)
Input circuit of digital inputs	PNP
Sensor supply of the inputs	IO-Link
Input current limitation	[mA] 15

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Input current High	[mA]	6...10
Input current low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes

Interfaces

Communication interface	IO-Link	
Supported DeviceIDs	Type of operation	DeviceID
	IO-Link Device	555

IO-Link Device		
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Function	Device identification
	Function	Process data variable
	Function	Device diagnosis
SIO mode	no	
Process data analog	1	
Process data binary	24	
Min. process cycle time	[ms]	2.9

Operating conditions

Ambient temperature	[°C]	-25...70
Protection	IP 67	
Protection rating (NEMA 250)	6P	
Chemical media	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1	AA

Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-9	
MTTF	[years]	164

Mechanical data

Weight	[g]	382.5
Housing	rectangular	
Type of mounting	Backplane mounting	
Dimensions	[mm]	162.3 x 60 x 27
Material	housing: PA; Socket: brass nickel-plated; O-ring: FKM	
Sealing material	FKM	

Displays / operating elements

Display	Power	LED, green
	errors	LED, red
	Function	LED, yellow

Accessories

Accessories (optional)	stainless steel sleeve, for installation in case of high mechanical stress , E70402
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Remarks	
Remarks	For use in NFPA 79 Applications only
	The device is to be operated to IO-Link specification V1.1.2.
	The maximum cable length of the IO-Link cable is 20 m.
Pack quantity	1 pcs.

Electrical connection - IO-Link

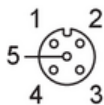
Connector: 1 x M12; coding: A; Contacts: 4



1	UB +
2	not used
3	UB -
4	IO-Link

Electrical connection - Process connection

Connector: 8 x M12; coding: A; Contacts: 4; sealing: FKM



	Inputs X1.0...X1.7
1	Sensor supply +24 V
2	IN 2
3	Sensor supply 0 V
4	IN 1
5	not used