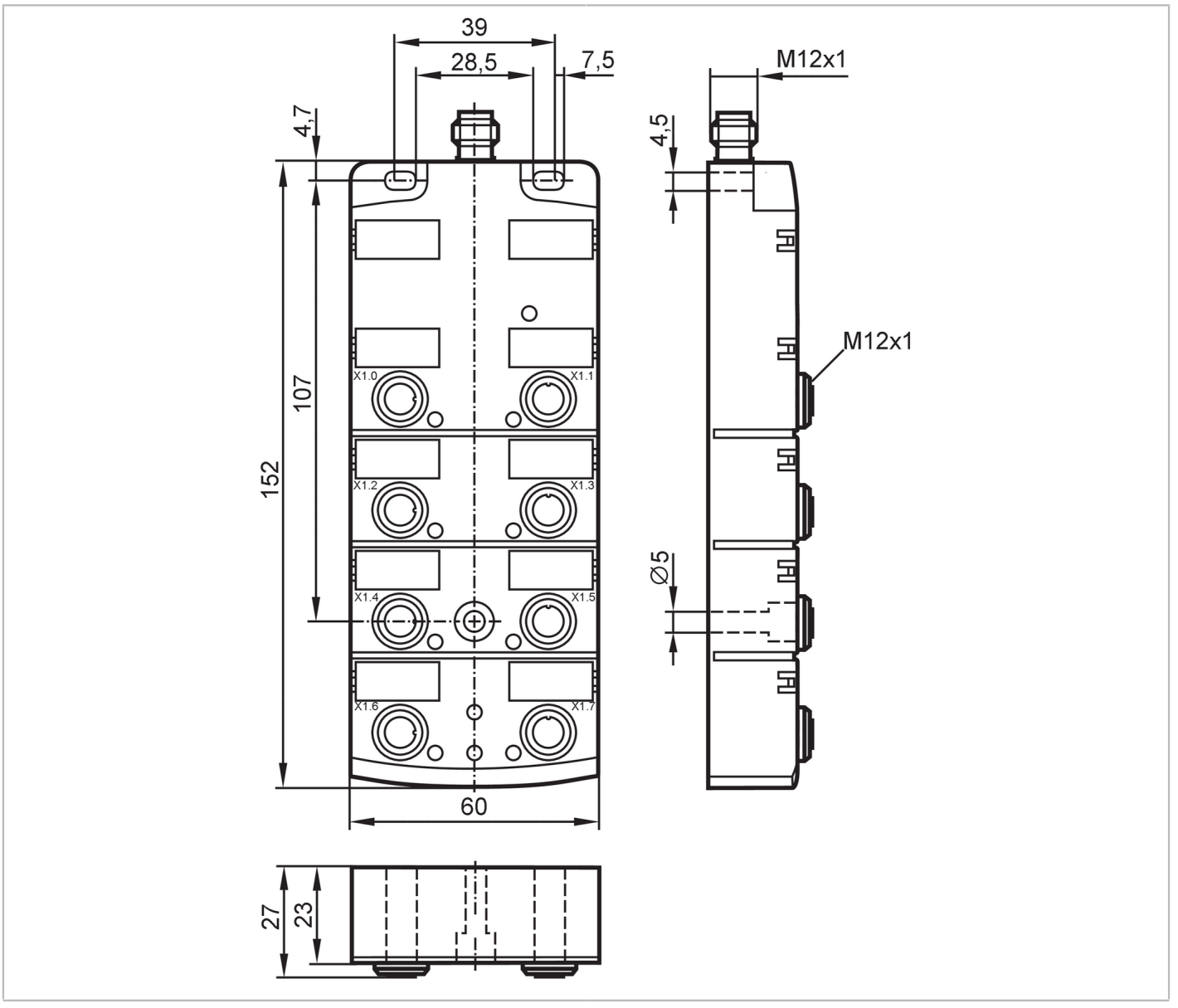
AL2401

IO-Link CompactLine module

IO-Link module 8 x 2 DI IP 67



Electrical data		
Operating voltage	[V]	18...30 DC; ("supply class 2" to cULus)
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
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

AL2401

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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 analogue		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	
Materials		housing: PA; socket: brass nickel-plated; O-ring: FKM	
Sealing material		FKM	
Displays / operating elements			
Display		operation	LED, green
		errors	LED, red
		function	LED, yellow
Accessories			
Accessories (optional)		Stainless steel sleeve, for installation in case of high mechanical stress , E70402	

AL2401

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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

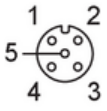
Connector: 1 x M12; coding: A; Contacts: 4



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