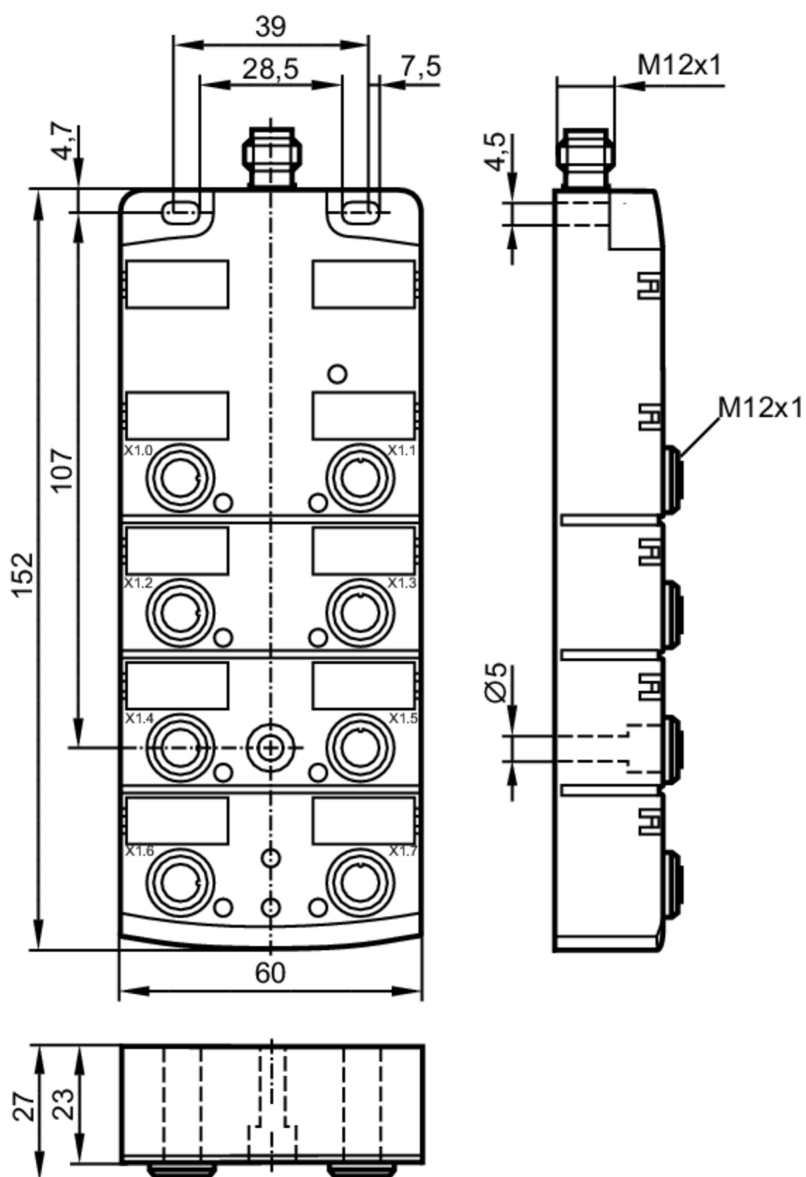


AL2401



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



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Sensor supply of the inputs	IO-Link
Input current limitation [mA]	15
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	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>IO-Link Device</td><td>555</td></tr> </table>	Type of operation	DeviceID	IO-Link Device	555
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	<table> <tr> <td>Smart Sensor - SSP 0</td><td>Generic Profiled Sensor</td></tr> <tr> <td>Function</td><td>Device identification</td></tr> <tr> <td>Function</td><td>Process data variable</td></tr> <tr> <td>Function</td><td>Device diagnosis</td></tr> </table>	Smart Sensor - SSP 0	Generic Profiled Sensor	Function	Device identification	Function	Process data variable	Function	Device diagnosis
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	<table> <tr> <td>ISO 16750-5</td><td>AA, BA, BD, HLP, CC, DB, DC, DD, CA</td></tr> <tr> <td>NEMA 250 5.13.1</td><td>AA</td></tr> </table>	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA	NEMA 250 5.13.1	AA
ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA				
NEMA 250 5.13.1	AA				

Tests / approvals

EMC	<table> <tr> <td>EN 61000-6-2</td><td></td></tr> <tr> <td>EN 61000-6-3</td><td></td></tr> <tr> <td>IEC 61131-9</td><td></td></tr> </table>	EN 61000-6-2		EN 61000-6-3		IEC 61131-9	
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	<table> <tr> <td>Power</td><td>LED, green</td></tr> <tr> <td>errors</td><td>LED, red</td></tr> <tr> <td>Function</td><td>LED, yellow</td></tr> </table>	Power	LED, green	errors	LED, red	Function	LED, yellow
Power	LED, green						
errors	LED, red						
Function	LED, yellow						

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Accessories	
Accessories (optional)	stainless steel sleeve, for installation in case of high mechanical stress , E70402
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

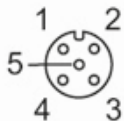
Connector: 1 x M12; coding: A



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

Electrical connection - Process connection

Connector: 8 x M12; coding: A; 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