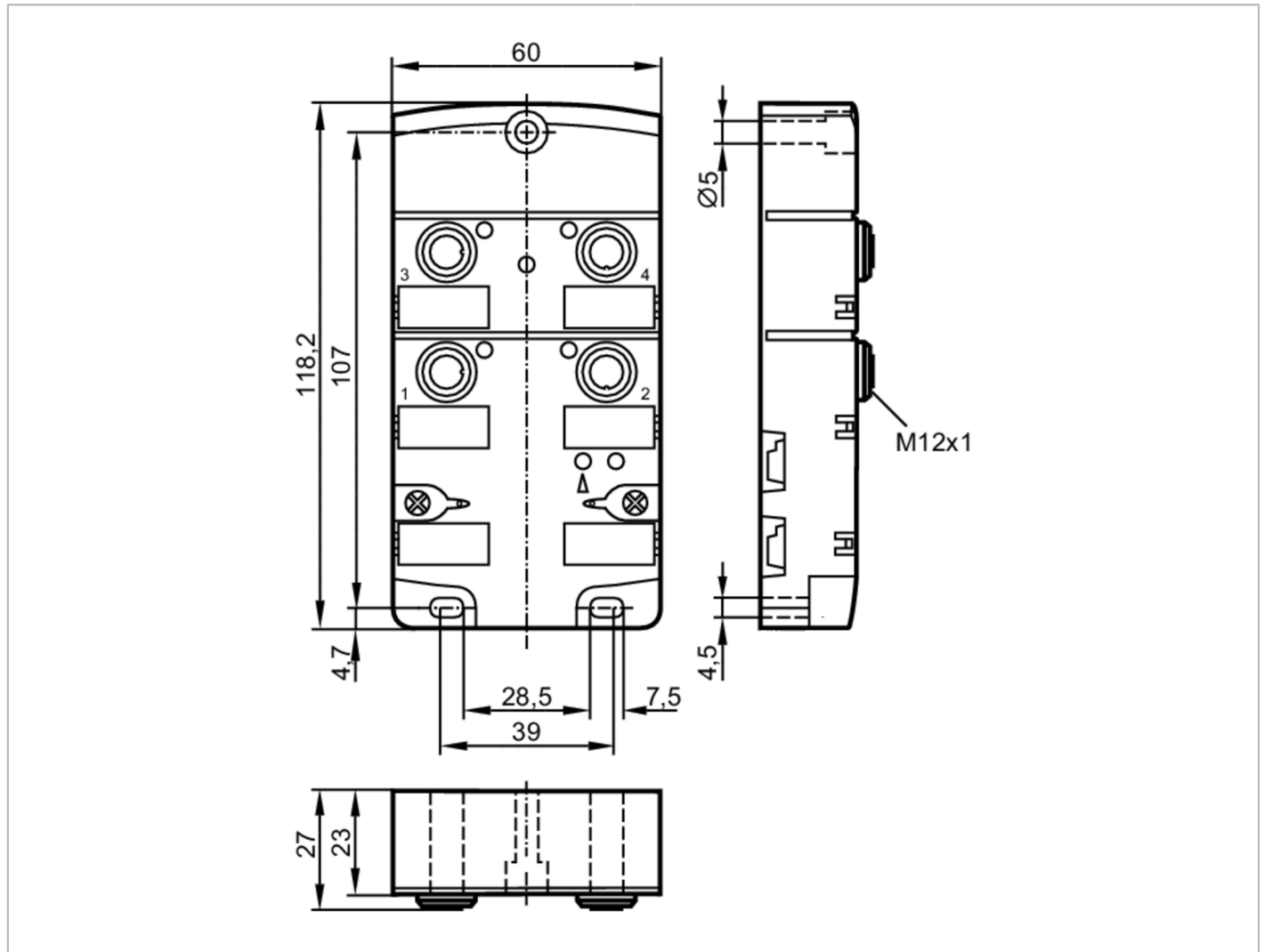


AC2451



AS-Interface CompactLine module

CompactModule 4DI M12 V4A



Electrical data	
Operating voltage	[V] 26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i	[mA] 250
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4



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Inputs																					
Number of digital inputs	4																				
Input circuit of digital inputs	PNP																				
Sensor supply of the inputs	AS-i																				
Voltage supply [V]	20...30																				
Max. total current rating of inputs [mA]	200																				
Input current limitation [mA]	15																				
Input current High [mA]	6...10																				
Input current Low [mA]	0...2																				
Min. switching level high signal [V]	11																				
Digital inputs protected against short circuits	yes																				
Operating conditions																					
Ambient temperature [°C]	-25...80																				
Protection	IP 67; ("enclosure type 1" according to cULus; when flat cables are used E7400x / E7401x)																				
Tests / approvals																					
EMC	EN 50295																				
AS-i classification																					
AS-i version	2.11 + 3.0																				
AS-i addressing	IR addressing possible																				
Extended addressing mode possible	no																				
AS-i profile	S-0.0.E																				
AS-i I/O configuration [hex]	0																				
AS-i ID code [hex]	0.E																				
AS-i certificate	40501																				
Assignment of the data bits	<table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>input</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>socket</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> <tr> <td>pin</td> <td>2+4</td> <td>2+4</td> <td>2+4</td> <td>2+4</td> </tr> </tbody> </table>	data bit	D0	D1	D2	D3	input	1	2	3	4	socket	I-1	I-2	I-3	I-4	pin	2+4	2+4	2+4	2+4
	data bit	D0	D1	D2	D3																
	input	1	2	3	4																
	socket	I-1	I-2	I-3	I-4																
pin	2+4	2+4	2+4	2+4																	
Mechanical data																					
Weight [g]	292																				
Type of mounting	AS-i flat cables directly connectable																				
Materials	PA; socket: stainless steel (1.4404 / 316L); threaded inserts in the lower part: stainless steel (1.4404 / 316L); screws: stainless steel (1.4578 / 316Cu); piercing contacts: CuSn6 nickel-plated and tin-plated; O-ring EPDM																				
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																				

AC2451



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Remarks	
Remarks	Do not connect any of the following points to an external potential: I-, I+, I1, I2, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

	Inputs
1	Sensor supply L+
2+4	data input 1 internally bridged
3	Sensor supply L-
5	functional earth

Connector: M12

