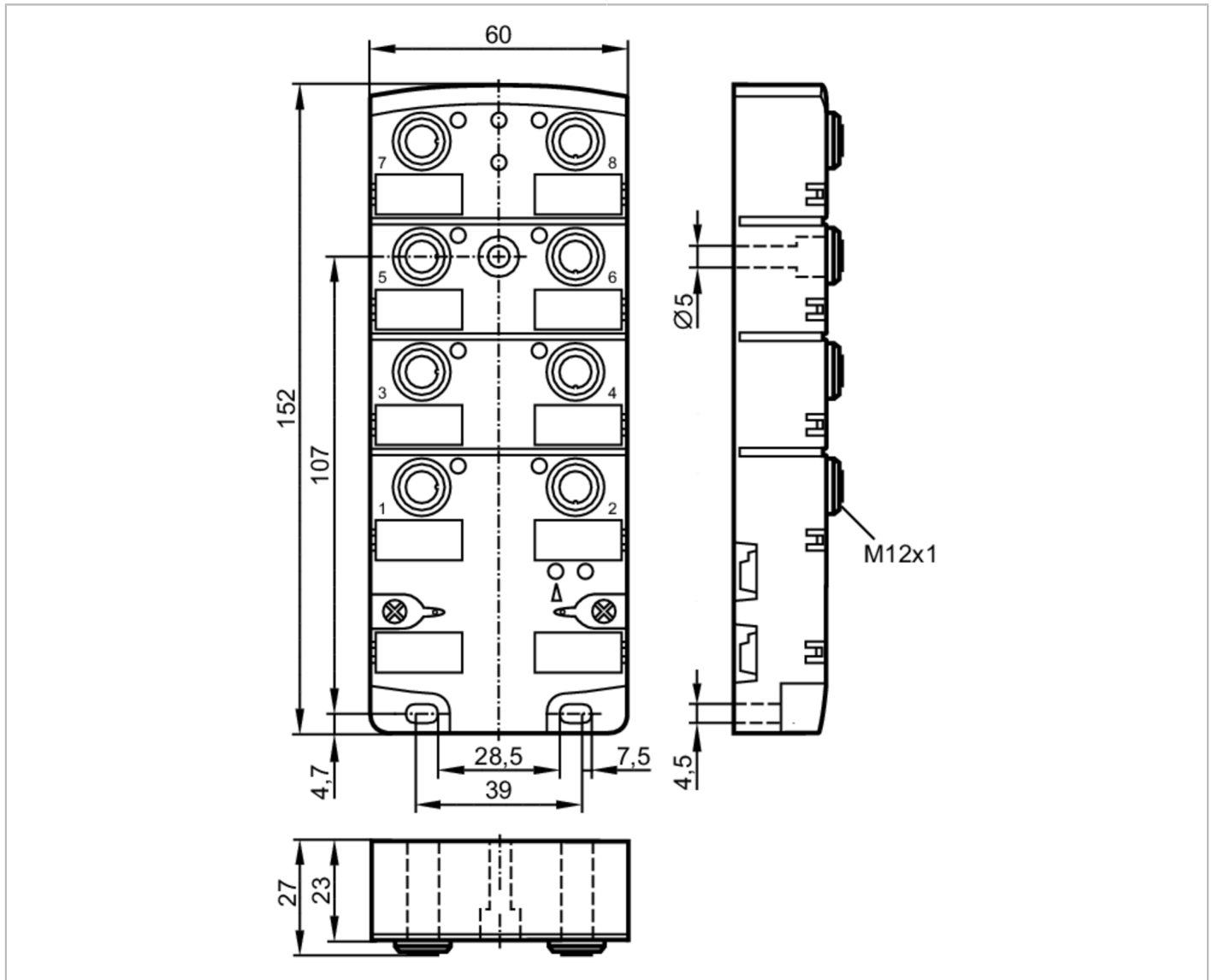


# AC2471



## AS-Interface CompactLine module

CompactM12 4DI-Y 4DO



Application	
Design	only for operation with AS-i masters with the profile M4
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC; ("supply class 2" to cULus)
Max. current consumption from AS-i [mA]	250
Max. current load total [A]	4
Additional voltage supply [V]	10...30 DC; (AUX)
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 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	
Outputs					
Number of digital outputs				4	
Circuit				PNP	
Voltage range DC [V]				10...30; (AUX)	
Max. current load per output [mA]				2000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))	
Short-circuit proof				yes	
Electrically separated				yes	
Actuator supply outputs				AUX	
Operating conditions					
Ambient temperature [°C]				-25...80	
Protection				IP 67; (when flat cables are used E7400x / E7401x)	
Tests / approvals					
EMC			EN 50295		
MTTF [years]				190	
UL approval			Enclosure type	Type 1	
AS-i classification					
AS-i version				3.0	
AS-i addressing				IR addressing possible	
Extended addressing mode				yes	
AS-i profile				S-7.A.7	
AS-i I/O configuration [hex]				7	
AS-i ID code [hex]				A.7	
AS-i certificate				97001	
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1/2	I-1/2 / I-2	I-3/4	I-3/4 / I-4
	pin	4	2 4	4	2 4
	Output	1	2	3	4
	socket	O-1	O-2	O-3	O-4
	pin	4	4	4	4

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Mechanical data		
Weight [g]	379	
Type of mounting	AS-i flat cables directly connectable	
Materials	PA; socket: brass nickel-plated; threaded inserts in the lower part: brass nickel-plated; O-ring: FKM; piercing contacts: CuSn6 nickel-plated and tin-plated	
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Accessories		
Items supplied	stainless steel sleeve for installation in case of high mechanical stress , E70402	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - Inputs		
Connection		
Connector: M12		
Inputs		
1	Sensor supply +	
2	data input	
3	Sensor supply -	
4	data input	
5	functional earth (FE)	
Electrical connection - Outputs		
Connector: M12		
Outputs		
3	external voltage AUX -	
4	switching output	
5	functional earth (FE)	
1, 2	not used	