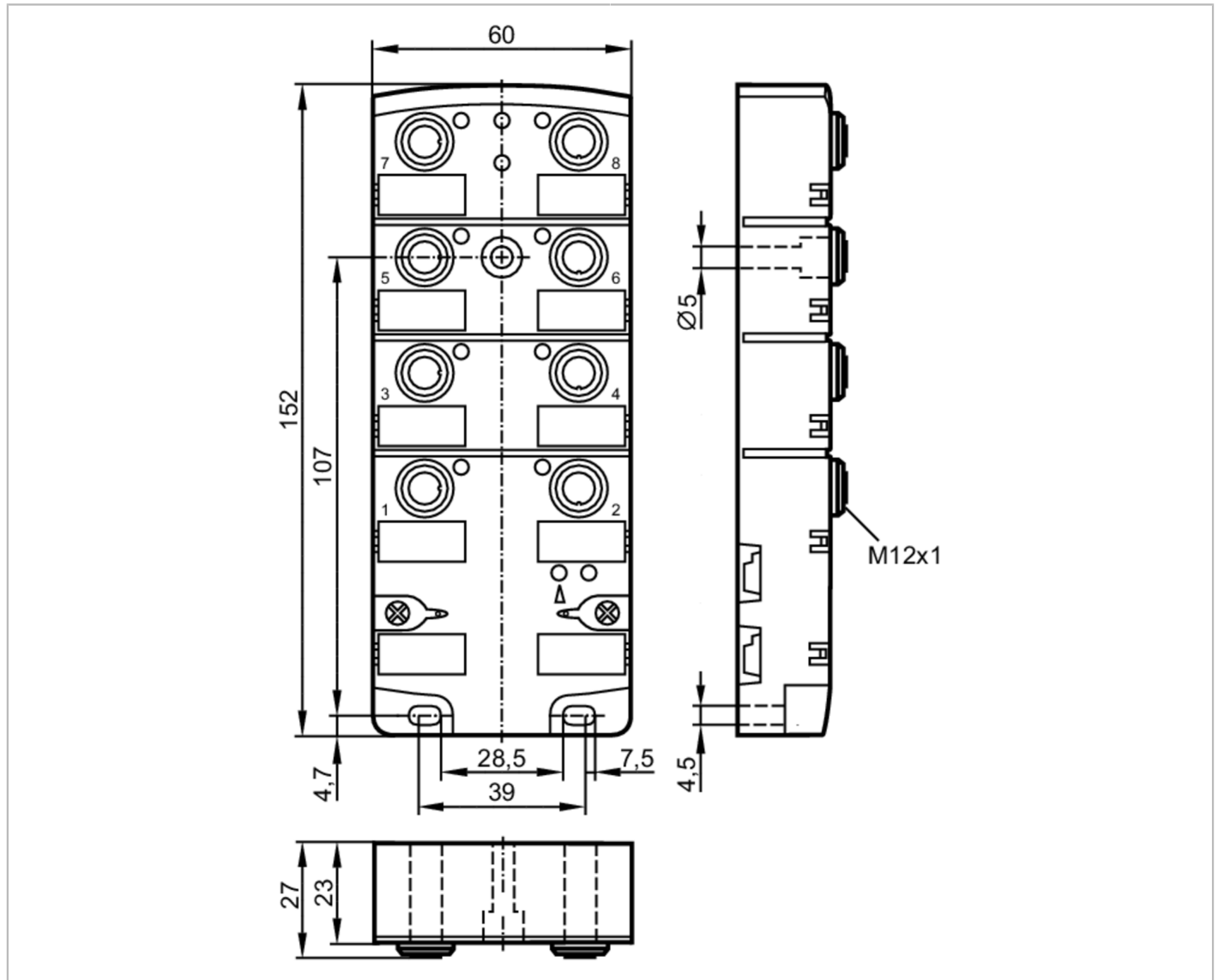


# AC2412



## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12



### 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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## AS-Interface CompactLine module

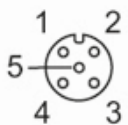
CompactModule 4DI 4DO T M12

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; (to PELV)	
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	
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-7.0.E	
AS-i I/O configuration	[hex]			7	
AS-i ID code	[hex]			0.E	
AS-i certificate				46001	
Assignment of the data bits	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
	Output	1	2	3	4
	socket	O-1	O-2	O-3	O-4
	pin	4	4	4	4



## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12

Mechanical data		
Weight [g]	376.5	
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		
Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402	
Remarks		
Remarks	Inputs and outputs must be electrically isolated.	
Pack quantity	1 pcs.	
Electrical connection - Inputs		
	Inputs	
1	Sensor supply L+	
2+4	data input 1 internally bridged	
3	Sensor supply L-	
5	functional earth	
Connector: M12		
		
Electrical connection - Outputs		
	Outputs	
3	external voltage AUX -	
4	switching output	
5	functional earth (FE)	
1, 2	not used	
Connector: M12		
