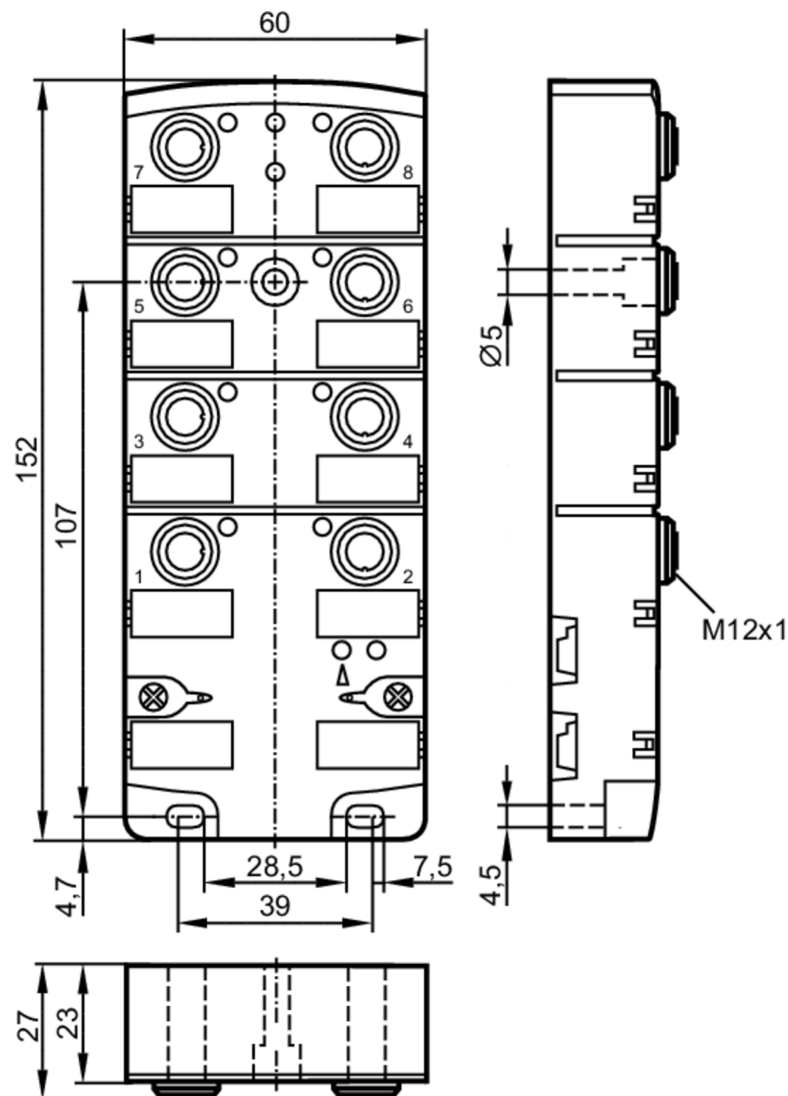


AC2412



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

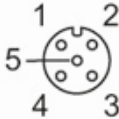
CompactModule 4DI 4DO T M12

Inputs					
Number of digital inputs	4				
Input circuit of digital inputs	PNP				
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				
Sensor supply of the inputs	AS-i				
Outputs					
Number of digital outputs	4				
Beschaltung	PNP				
Voltage range DC	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]	374								
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 - Outputs										
Outputs <table><tr><td>3</td><td>external voltage AUX -</td></tr><tr><td>4</td><td>switching output</td></tr><tr><td>5</td><td>functional earth (FE)</td></tr><tr><td>1, 2</td><td>not used</td></tr></table>			3	external voltage AUX -	4	switching output	5	functional earth (FE)	1, 2	not used
3	external voltage AUX -									
4	switching output									
5	functional earth (FE)									
1, 2	not used									
Connector: M12										
										
Electrical connection - Inputs										
Inputs <table><tr><td>1</td><td>Sensor supply L+</td></tr><tr><td>2+4</td><td>data input 1 internally bridged</td></tr><tr><td>3</td><td>Sensor supply L-</td></tr><tr><td>5</td><td>functional earth</td></tr></table>			1	Sensor supply L+	2+4	data input 1 internally bridged	3	Sensor supply L-	5	functional earth
1	Sensor supply L+									
2+4	data input 1 internally bridged									
3	Sensor supply L-									
5	functional earth									
Connector: M12										

AC2412



AS-Interface CompactLine module

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