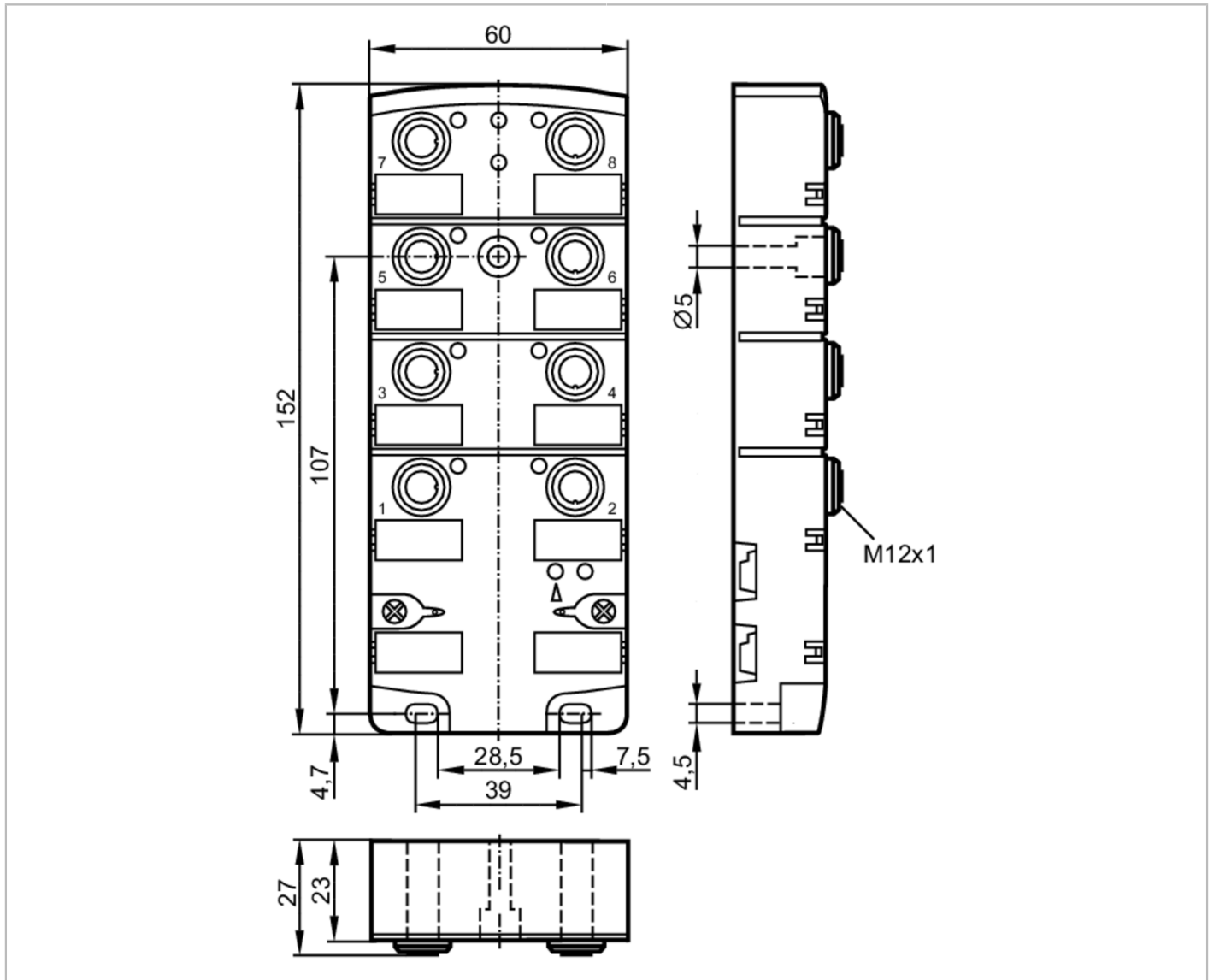


# AC2412



## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12



Application	
Application	field installation
Electrical data	
Operating voltage [V]	26.5...31.6 DC; (cULus - Class 2 source required)
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

# AC2412



## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12

Inputs	
Number of digital inputs	4
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AS-i
Voltage supply [V]	20...30; (DC)
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; (utilization 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
Storage temperature [°C]	-20...80
Storage humidity [%]	< 90
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 67; (when flat cables are used E7400x / E7401x)
Tests / approvals	
EMC	EN 50295
MTTF [years]	193
UL approval	Enclosure type Type 1

# AC2412



## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12

AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	IR addressing possible				
Extended addressing mode	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				
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

Mechanical data	
Weight [g]	376.5
Type of mounting	AS-i flat cable connection
Dimensions [mm]	152 x 60 x 27
Material	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

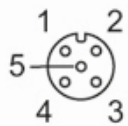
Displays / operating elements		
Display	Power	LED, green
	errors	LED, red
	Function	LED, yellow

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

Connector: M12



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

# AC2412

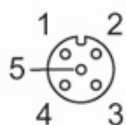


## AS-Interface CompactLine module

CompactModule 4DI 4DO T M12

### Electrical connection - Outputs

Connector: M12



	Outputs
3	External voltage AUX -
4	Switching output
5	functional earth (FE)
1, 2	not used