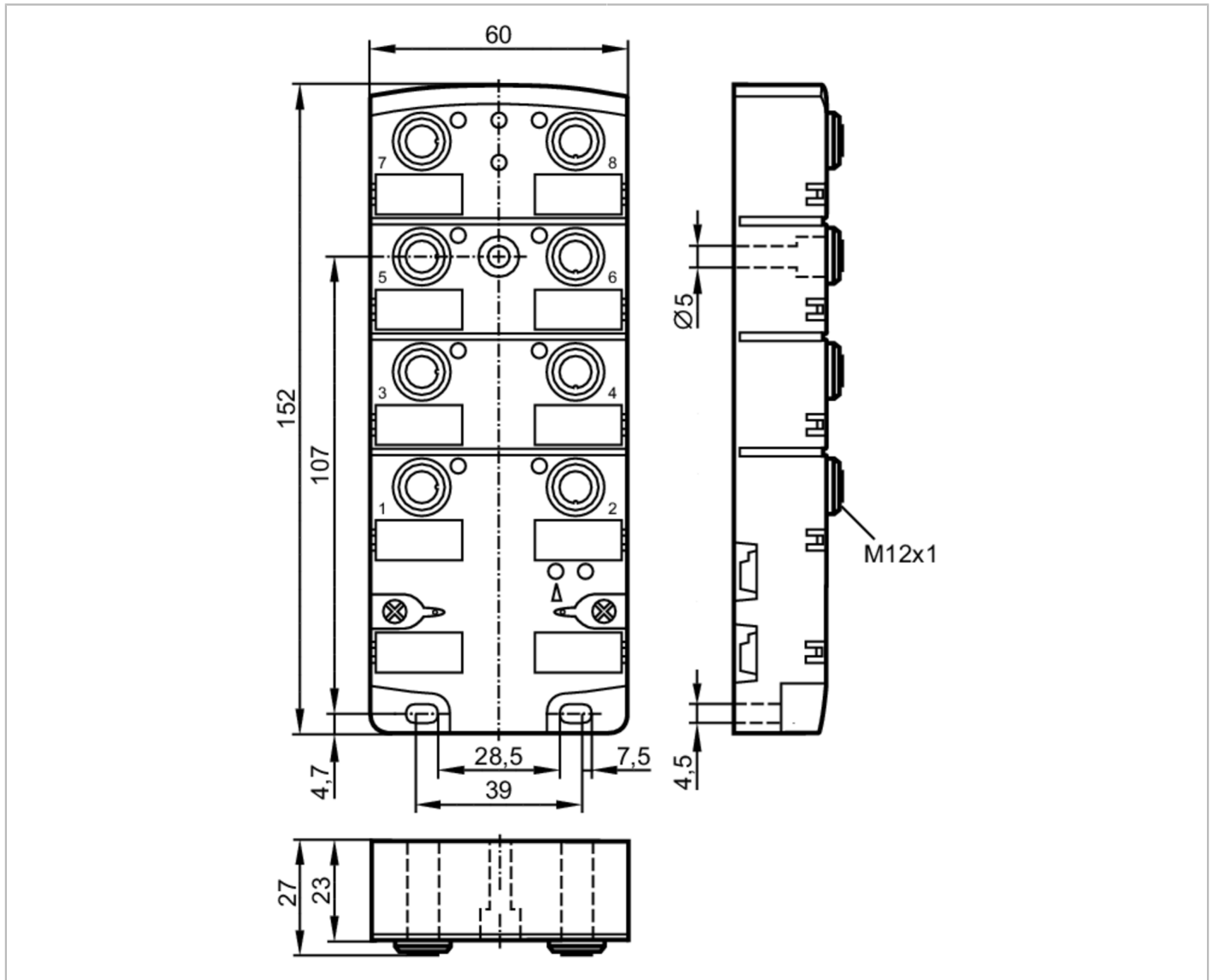


# AC2459



## AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T



Application	
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



## AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T

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]	193				
UL approval	Enclosure type Type 1				
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.F.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	F.E				
AS-i certificate	40401				
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

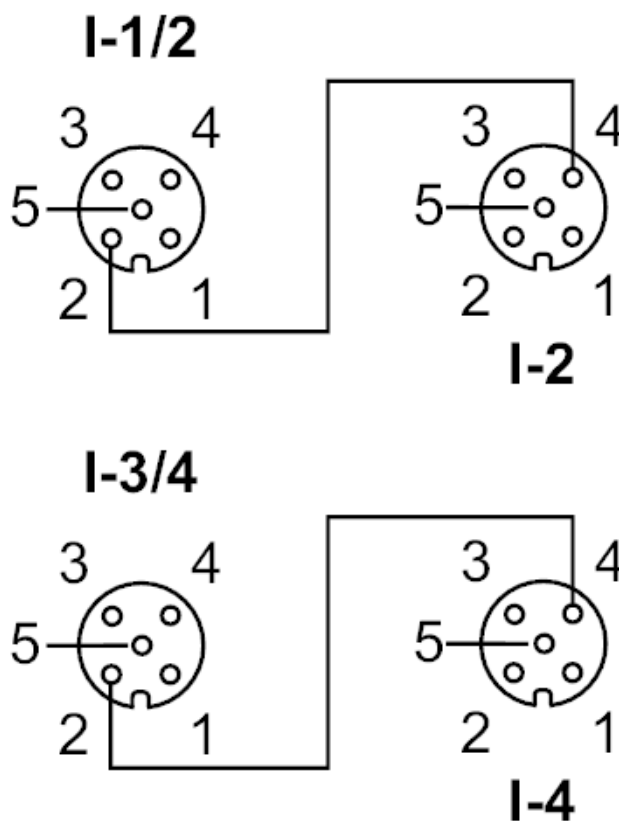
# AC2459



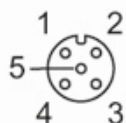
## AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T

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		
Pack quantity	1 pcs.	
Electrical connection - Inputs		
Connection		



Connector: 4 x M12



# AC2459



## AS-Interface CompactLine module

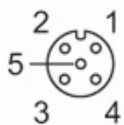
CompactLM12 4DI-Y 4DO T

### Inputs

1	Sensor supply +
2	data input
3	Sensor supply -
4	data input
5	functional earth (FE)

### Electrical connection - Outputs

Connector: 4 x M12



### Outputs

3	external voltage AUX -
4	switching output
5	functional earth (FE)
1, 2	not used