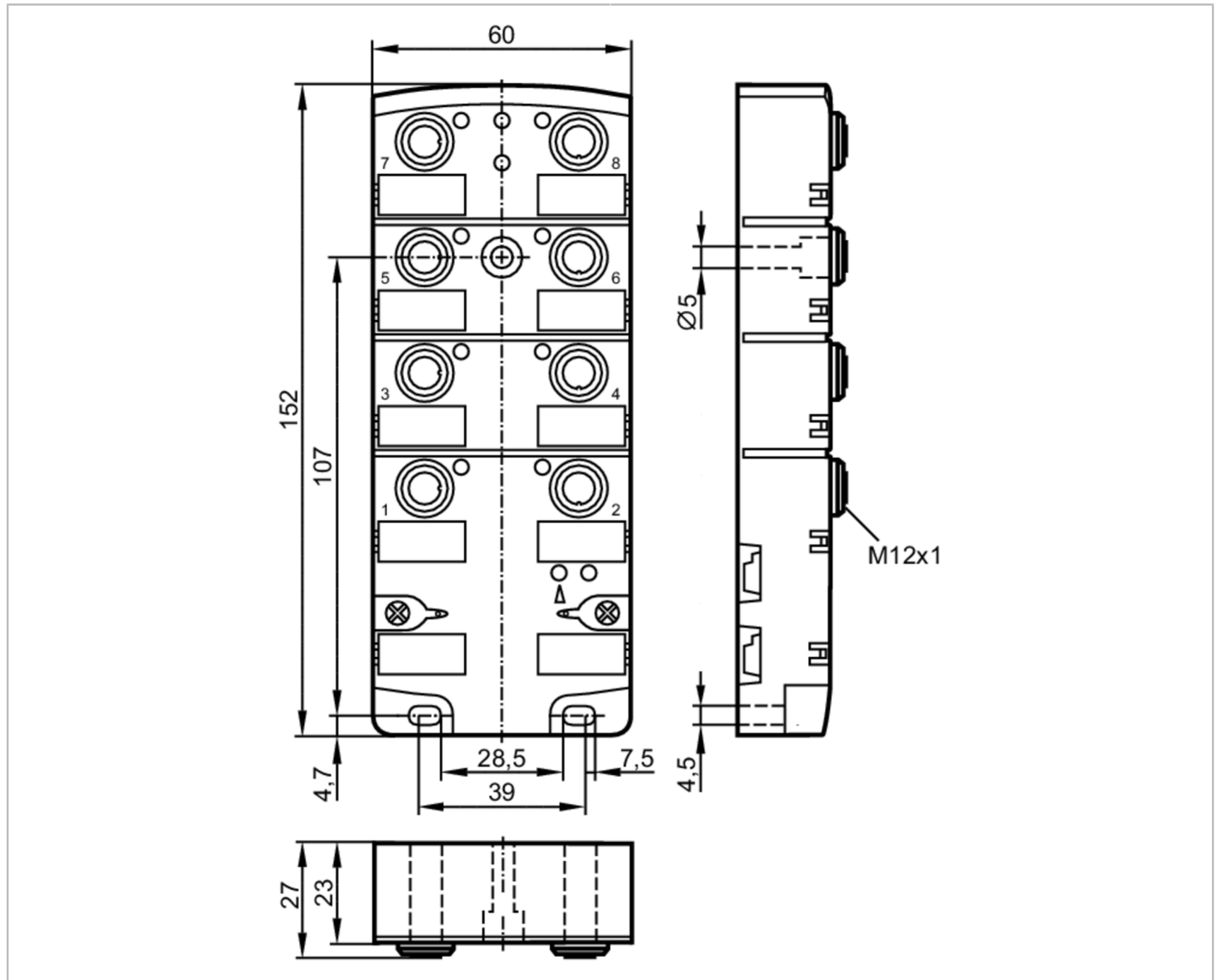


AC2455



AS-Interface CompactLine module

CompactM12 4 DI 4 DO V4A



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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AS-Interface CompactLine module

CompactM12 4 DI 4 DO V4A

Inputs					
Number of digital inputs	4; (bidirectional)				
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				
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	126601				
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	4	4	4	4
	Output	1	2	3	4
	socket	O-1	O-2	O-3	O-4
	pin	4	4	4	4

AC2455



AS-Interface CompactLine module

CompactM12 4 DI 4 DO V4A

Mechanical data

Weight	[g]	370
Type of mounting	AS-i flat cables directly connectable	
Materials	PA 6.6; socket: stainless steel (1.4404 / 316L); threaded inserts in the lower part: stainless steel (1.4404 / 316L); O-ring: EPDM; piercing contacts: CuSn6 nickel-plated and tin-plated; screws stainless steel (1.4578 / 316Cu)	

Displays / operating elements

Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

Accessories

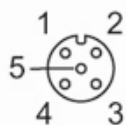
Items supplied	stainless steel sleeve for installation in case of high mechanical stress , E70402
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Remarks

Pack quantity	1 pcs.
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Electrical connection - Inputs

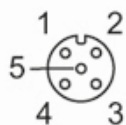
Connector: M12



	Inputs
1	Sensor supply +
2	not used
3	Sensor supply -
4	data input
5	functional earth (FE)

Electrical connection - Outputs

Connector: M12



AC2455



AS-Interface CompactLine module

CompactM12 4 DI 4 DO V4A

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