



AS-Interface CompactLine module

CompactLM12 4DI-Y 4DO T



Application		
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	4
Additional voltage supply	[V]	10...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4000; (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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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
Подача напруги [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
Switching level high [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))
Max. current load outputs total [A]		4
Short-circuit proof		yes
Electrically separated		yes
Actuator supply outputs		AUX
Operating conditions		
Ambient temperature [°C]		-25...80
Storage temperature [°C]		-25...80
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 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF [ANN]		193
UL approval	подача напруги	Class 2
AS-i classification		
AS-i version		2.11; 3.0
AS-i addressing		IR addressing possible
Розширений режим адресації		no
AS-i master profile		M2; M3; M4
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



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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

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	switching status	LED, yellow I1...I4, O1...O4
	operation	LED, green AS-i, AUX
	errors	LED, red

Electrical connection

Module connection	Приладдя
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Аксессуары

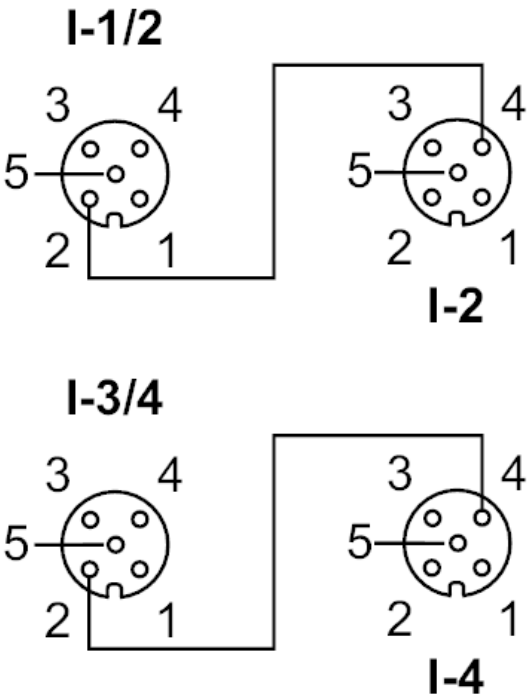
Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402
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Remarks

Remarks	Do not connect any of the following points to an external potential:	
	I-, I+, I1, I2, I3, I4	
	The connections are electrically connected with the AS-i cable.	
Pack quantity	1 pcs.	

Electrical connection - Inputs

Connection



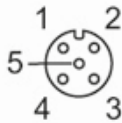
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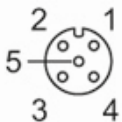
Connector: 4 x M12; coding: A



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

Electrical connection - Outputs

Connector: 4 x M12; coding: A



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