



AS-Interface control cabinet module

SmartLine25 4DI 4DO A/B T C



- 1 panel for labelling
- 2 addressing socket
- 3 DIN rail adapter



Application		
Design	only for operation with AS-i masters with the profile M4	
Application	Встановлення до шафи керування	
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	250
Additional voltage supply	[V]	20...30 DC
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	
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]	18...30; (DC)
Max. total current rating of inputs	[mA]	200



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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]	20...30; (AUX)
Max. current load per output	[mA]	1000; (utilisation category DC-12: 700 mA; 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...70
Note on ambient temperature		the derating of the current load indicated in the operating instructions is to be taken into account at the following ambient temperature: > 60 °C
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 20
Pollution degree		2

Tests / approvals

EMC		EN 61000-6-2	
		EN 62026-2	
		EN 50581	
MTTF	[ANN]	235	
Notes		The device shall be supplied from an isolating source.; This voltage source must have a secondary UL-listed fuse (see enclosed sheet).; Alternatively, a class 2 power supply can be used to supply AUX.	

AS-i classification

AS-i version	3.0				
AS-i addressing	addressing socket				
Розширений режим адресації	yes				
AS-i master profile	M4				
AS-i profile	S-7.A.7				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.7			
AS-i certificate	60702				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	I-1	I-2	I-3	I-4
	Output	O-1	O-2	O-3	O-4



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Mechanical data																										
Weight	[g]	150																								
Type of mounting	mounting on DIN rail																									
Materials	PC-GF20																									
Displays / operating elements																										
Display	switching status	LED, yellow I1...I4, O1....O4																								
	operation	LED, green AS-i, AUX																								
	errors	LED, red																								
Аксессуары																										
Accessories (optional)	connectors																									
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																										
pin header:																										
Connection																										
<table><tr><td>I-</td><td>I-</td><td>I-</td><td>I-</td></tr><tr><td>I1</td><td>I2</td><td>I3</td><td>I4</td></tr><tr><td>I+</td><td>I+</td><td>I+</td><td>I+</td></tr></table> <table><tr><td>O-</td><td>O-</td><td>O-</td><td>O-</td></tr><tr><td>O1</td><td>O2</td><td>O3</td><td>O4</td></tr><tr><td>A+</td><td>A-</td><td>E+</td><td>E-</td></tr></table>			I-	I-	I-	I-	I1	I2	I3	I4	I+	I+	I+	I+	O-	O-	O-	O-	O1	O2	O3	O4	A+	A-	E+	E-
I-	I-	I-	I-																							
I1	I2	I3	I4																							
I+	I+	I+	I+																							
O-	O-	O-	O-																							
O1	O2	O3	O4																							
A+	A-	E+	E-																							
A+	AS-i +																									
A-	AS-i -																									
I+	Sensor supply +24V																									
I-	Sensor supply 0V																									
E+	actuator supply +24V																									
E-	actuator supply 0V																									
I1...I4	switching input sensor 1...4																									
O1...O4	switching output actuator 1...4																									
O-	switching output actuator 0V																									