



AS-Interface control cabinet module

SmartL25 4DI 4DO T C



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



Application		
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; (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	
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
Input current High	[mA]	6...10



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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]	184			
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		2.11; 3.0			
AS-i addressing		addressing socket			
Розширений режим адресації		no			
AS-i master profile		M2; M3; M4			
AS-i profile		S-7.0.E			
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	0.E			
AS-i certificate		37301			
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
Mechanical data					
Weight	[g]	141			



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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
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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

pin header:

Connection

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