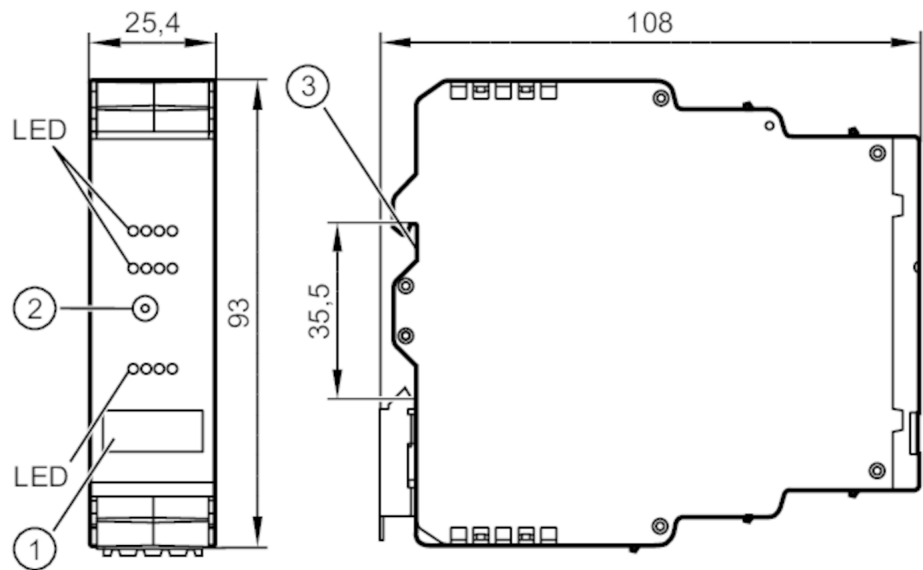




AS-Interface control cabinet module

SmartL25 4DI 2DO R C



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



Application		
Design		housing for DIN rail mounting
Application		I/O modules for control cabinet installations
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	50
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	600; (AUX)
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of relay outputs: 2
Inputs		
Number of digital inputs		4
Input circuit of digital inputs		PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs		AUX
Voltage supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	500



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

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

Voltage range DC	[V]	24
Voltage range AC	[V]	10...240
Max. current load per output	[mA]	6000; (240 V AC; 24 V DC; resistive load)
Number of relay outputs		2
Contact rating		6 A; (max. 240 V AC / 24 V DC see diagram:: Contact rating normally open (NO): B300: 6000 cycles)
Short-circuit proof		no
Electrically separated		yes

Operating conditions

Ambient temperature	[°C]	-25...60
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 20
Degree of soiling		2

Tests / approvals

EMC	EN 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF	[years]	383
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				
Extended addressing mode	yes				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.A.E				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.E			
AS-i certificate pending	yes				
Data bits	Data bit	D0	D1	D2	D3
	Input	I-1	I-2	I-3	I-4
	Output	O-1	O-2	-	-

Mechanical data

Weight	[g]	150.2
Housing	rectangular	
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))	
Dimensions	[mm]	93 x 25.4 x 108



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Material	PC-GF20	
Displays / operating elements		
Display	Switching status	LED, yellow I1...I4, O1....O2
	Power	LED, green AS-i, AUX
	errors	LED, red
Accessories		
Accessories (optional)	connector	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
pin header:		
Connection		

I-	I-	E+	E-
I1	I2	I3	I4
I+	I+	I+	I+

14	11	11	12
24	21	21	22
A+	A-		

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
E+	External voltage supply for sensors + 24 V (AUX)
E-	External voltage supply for sensors + 0 V (AUX)
I1...I4	Switching input sensor 1...4
O1...O2	Switching output Relay 1...2
11	Relay O1 changeover contact, common
12	Relay O1 Changeover contact, normally closed
14	Relay O1 Changeover contact, normally open
21	Relay O2 changeover contact, common
22	Relay O2 Changeover contact, normally closed
24	Relay O2 Changeover contact, normally open

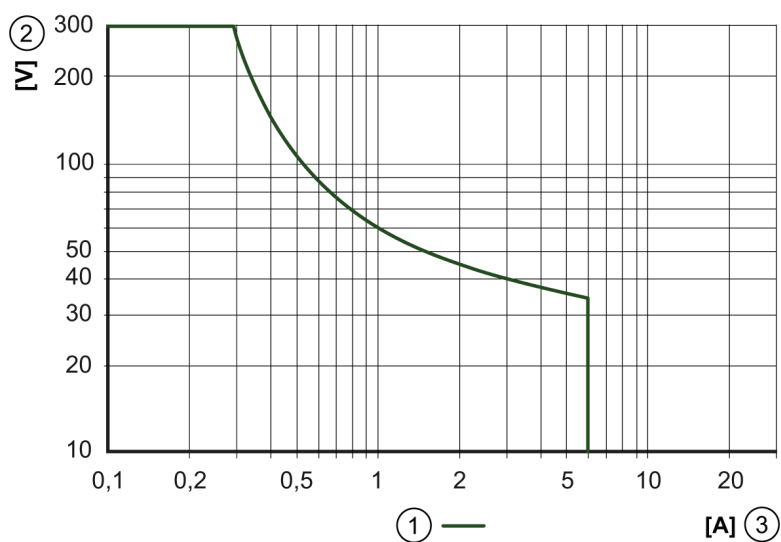


AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Diagrams and graphs

Contact rating



- 1 resistive load
- 2 Voltage [DC]
- 3 Current [DC]