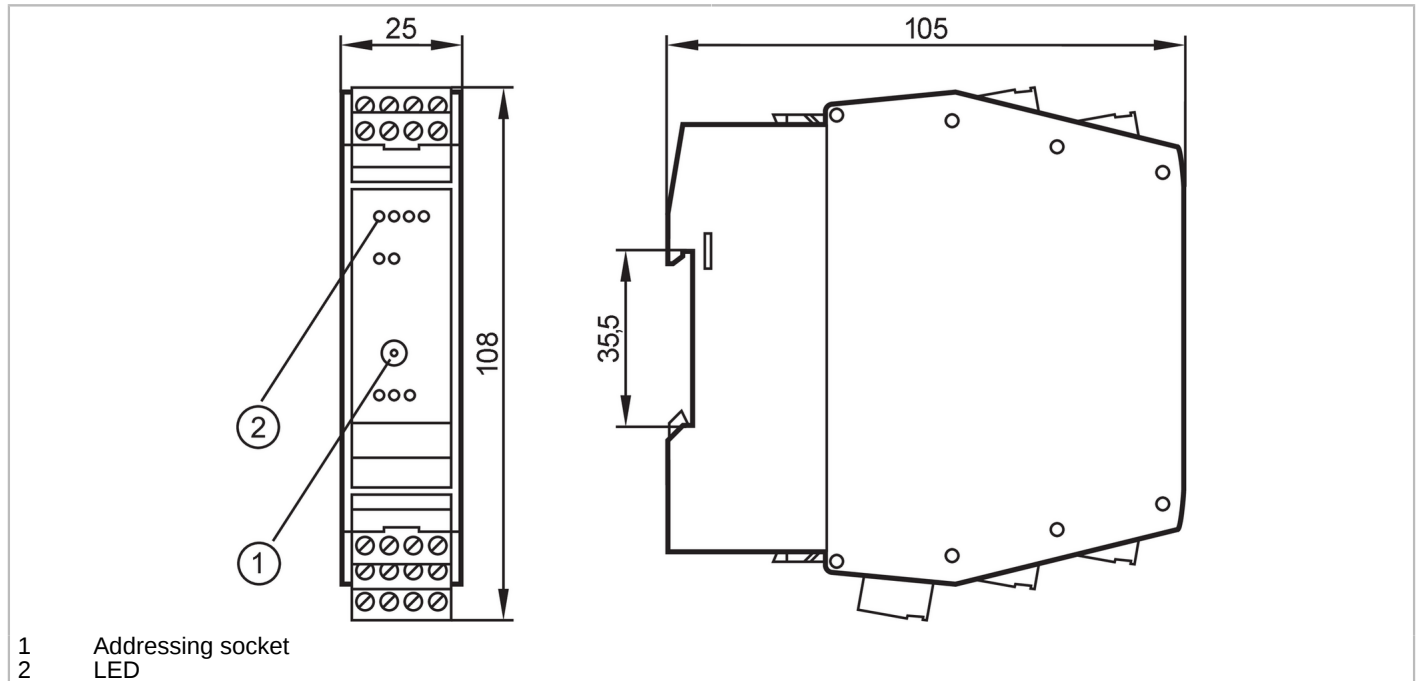


Safe AS-Interface control cabinet module

SmartLine Module 2SO IP20



Application

Design	housing for DIN rail mounting
Application	safe triggering of actuators

Electrical data

Operating voltage	[V]	26.5...31.6 DC; (cULus - Class 2 source required)
Current consumption	[mA]	< 200
Max. current load total	[A]	3

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 1
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Inputs

Number of digital inputs	4
Input circuit of digital inputs	PNP
Sensor supply of the inputs	AS-i
Voltage supply [V]	18...30
Short-circuit detection	yes

Outputs

Output signal	LED: signalling
Number of relay outputs	1; (safe relay output)
Actuator supply outputs	AS-i
Cross-fault monitoring	no

Operating conditions

Ambient temperature	[°C]	-25...55
Protection		IP 20



Safe AS-Interface control cabinet module

SmartLine Module 2SO IP20

Tests / approvals		
EMC	EN 50295	
Safety classification		
Complies with the requirements	ISO 13849-1 PL e	
	IEC 61508 SIL 3	
Mission time TM [h]	175200	
Mission time TM (additional indication)	20 years	
PFH [1/h]	3,3E-9	
PFD	9,25E-6	
AS-i classification		
AS-i version	2.1	
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	
Mechanical data		
Weight [g]	225.5	
Housing	rectangular	
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))	
Dimensions [mm]	108 x 25 x 105	
Material	housing: PA	
Displays / operating elements		
Display	Power	LED, green
	errors	LED, red
	Function	LED, yellow
Remarks		
Remarks	Further information is available in the manual.	
Pack quantity	1 pcs.	
Electrical connection		
Combicon:		
1 (A+)	AS-i+	
2 (A-)	AS-i-	
3 (L+)	L+	
4 (L-)	L-	
5 (I1)	IN1	DI1
6 (I2)	IN2	DI2
7 (I3)	IN3	DI3
8 (1. Y1)	IN4	DI4
9 (I3)	OUT1	F-DO1 (safe relay output)
10 (I4)	OUT2	F-DO2 (safe relay output)
11 (I3)	OUT3	F-DO3 (safe relay output)
12 (I4)	OUT4	F-DO4 (safe relay output)