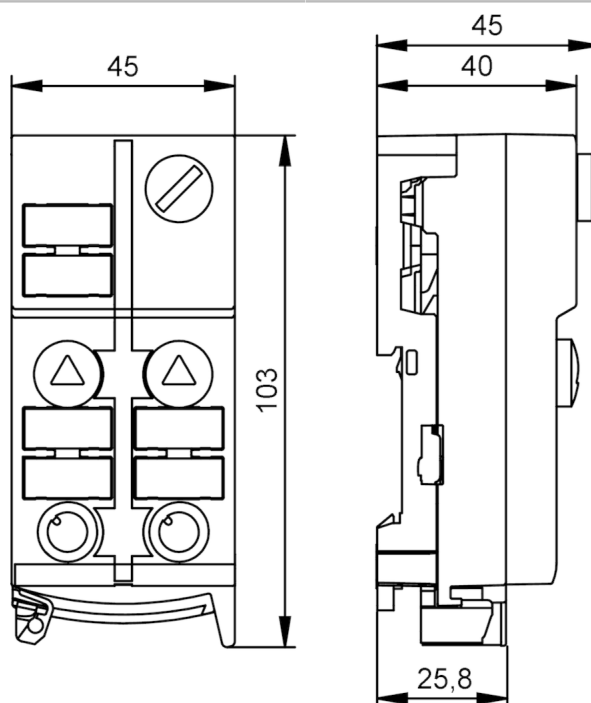


AC505S



Safe AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2SI 2LO



Application

Design	housing for DIN rail mounting
Application	AS-i Safety at Work

Electrical data

Operating voltage	[V]	26.5...31.6 DC; (cULus - Class 2 source required)
Max. current consumption from AS-i	[mA]	280
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 2
------------------------------	-----------------------------

Inputs

Number of digital inputs		2; (2 x safety input)
Input circuit of digital inputs		PNP/NPN
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30
Max. total current rating of inputs	[mA]	200
Input current High	[mA]	12
Input current low	[mA]	12
Short-circuit detection		yes
Cross-fault monitoring		yes
Short-circuit proof		yes

Outputs

Output signal	LED: signalling
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Actuator supply outputs		AS-i	
Operating conditions			
Ambient temperature	[°C]	-25...55	
Max. height above sea level	[m]	2000	
Protection		IP 67	
Pollution degree		2	
Tests / approvals			
EMC	EN 62026-2		
Safety classification			
Complies with the requirements	ISO 13849-1 Category 4, PL e		
	IEC 61508 SIL 3		
Mission time TM (additional indication)	20 years		
PFH	[1/h]	1,3E-11	
AS-i classification			
AS-i version	2.11; 3.0		
AS-i addressing	Addressing socket		
Extended addressing mode	no		
AS-i master profile	M3; M4		
AS-i profile	S-7.B.0		
AS-i I/O configuration	[hex]	7	
AS-i ID code	[hex]	B.0	
AS-i certificate	97101		
Mechanical data			
Weight	[g]	289.8	
Housing	rectangular		
Type of mounting	AS-i flat cable connection; Mounting on DIN rail; (TH35 (EN 60715))		
Dimensions	[mm]	103 x 45 x 44.7	
Material	housing: PA; Piercing contacts: CuSn6 nickel-plated and tin-plated		
Displays / operating elements			
Display	Power	1 x LED, green	
	errors	1 x LED, red	
	Switching status	1 x LED, yellow	
	alarm	1 x LED, red	
Electrical connection			
Module connection	Flat cable		
Accessories			
Items supplied	lower part		
Accessories (optional)	Addressing cable:, E70213		
	Protective cap: M12, E73004		
Remarks			
Remarks	PL e, cat. 4, SIL 3 only if the fault exclusions described in the manual are used		
Pack quantity	1 pcs.		



Safe AS-Interface ClassicLine module with quick mounting technology

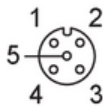
ClassicLine 2SI 2LO

Electrical connection

quick mounting technology for AS-i flat cable: ; three selectable directions

Electrical connection - Socket SI-1/2

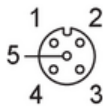
Connector: 1 x M12; coding: A; Contacts: 4; Maximum cable length: 10 m



1 (I+)	L+	
2 (IN1 (p))	IN	DI (I-1 (p))
3 (I-)	L-	
4 (IN2 (n))	IN	DI (I-2(n); internally bridged Socket SI-2 Pin 1)
5	n.c.	

Electrical connection - Socket SI-2

Connector: 1 x M12; coding: A; Contacts: 3; Maximum cable length: 10 m



1 (IN2 (n))	IN	DI (I-2(n); internally bridged Socket SI-1/2 Pin 4)
2 (I-)	L-	
3	n.c.	
4 (I+)	L+	
5	n.c.	

DI: digital input; IN: Input; n.c.: not used