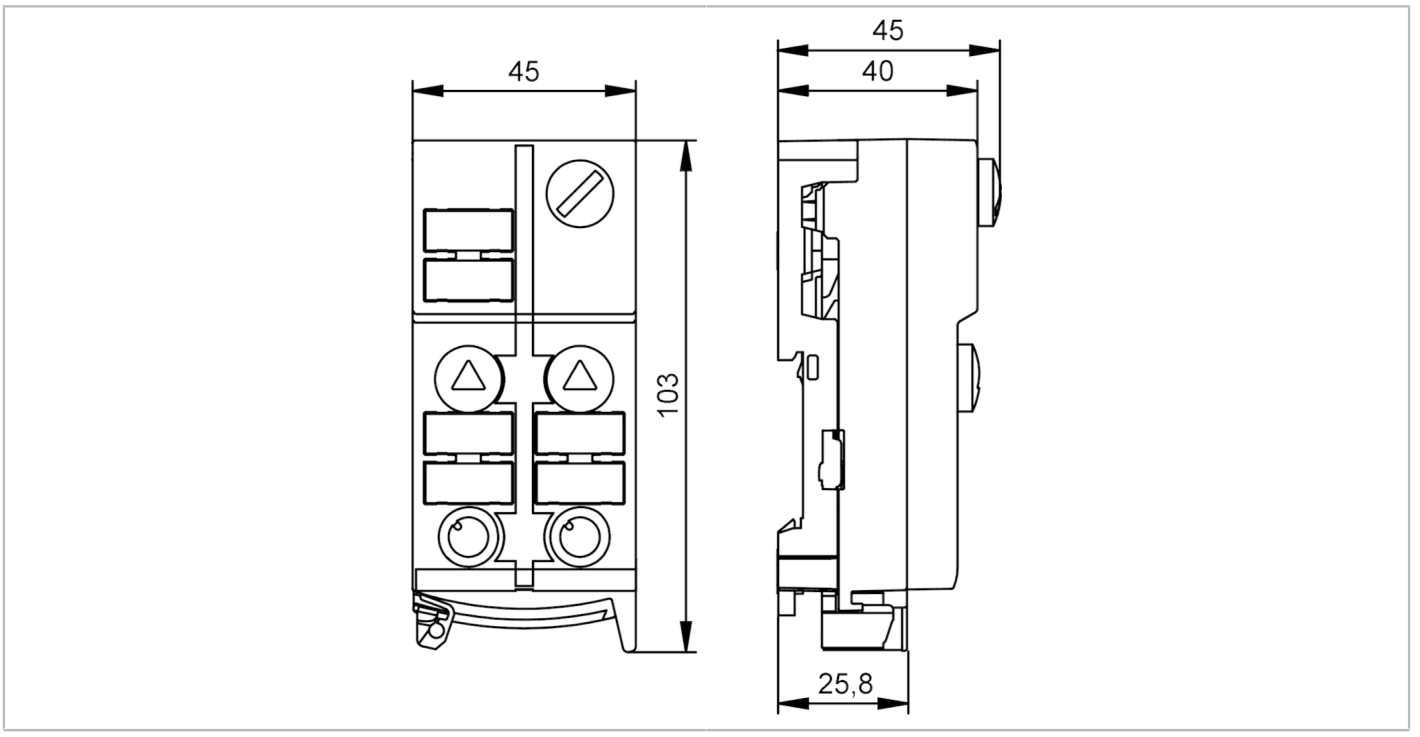
AC509S

Safe AS-Interface ClassicLine module with quick mounting technology

ClassicLine 2x2SI 2DOT 2LO



Application		
Design		housing for DIN rail mounting
Application		AS-i Safety at Work
Electrical data		
Operating voltage	[V]	26.5...31.6 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 280
Max. current load per module/slot	[A]	0.2
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of digital outputs: 2
Inputs		
Number of digital inputs		4; (2 x 2 safety inputs)
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AS-i
Max. total current rating of inputs	[mA]	200
Input current [mA]		8
Short-circuit detection		yes
Cross-fault monitoring		no
Short-circuit proof		yes
Outputs		
Output signal		switching signal
Number of digital outputs		2
Voltage range DC	[V]	18...30; (AS-i)

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Max. current load per output	[mA]	50	
Short-circuit proof		yes	
Electrically separated		no	
Actuator supply outputs		AS-i	
Operating conditions			
Ambient temperature	[°C]	-25...55	
Note on ambient temperature		with switched outputs: -25...40 °C	
Max. height above sea level	[m]	2000	
Protection		IP 67	
Pollution degree		2	
Tests / approvals			
EMC		EN 62026-2	
		EN 61326-3-1	
Safety classification			
Complies with the requirements		ISO 13849-1 category 3, PL d	
		IEC 61508 SIL 2	
Mission time TM (additional indication)		20 years	
PFH	[1/h]	2,33E-11	
AS-i classification			
AS-i version		2.11; 3.0	
Extended addressing mode		no	
AS-i master profile		M3; M4	
AS-i profile		S-7.B.E	
AS-i I/O configuration	[hex]	7	
AS-i ID code	[hex]	B.E	
AS-i certificate		128301	
Mechanical data			
Weight	[g]	336.55	
Housing		rectangular	
Type of mounting		AS-i flat cables directly connectable; mounting on DIN rail; (TH35 (EN 60715))	
Dimensions	[mm]	103 x 45 x 44.7	
Materials		housing: PA; piercing contacts: CuSn6 nickel-plated and tin-plated	
Displays / operating elements			
Display		operation	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 cables	
Accessories			
Items supplied		lower part	
Accessories (optional)		Addressing cable:, E70213	
		Protective cap: M12, E73004	

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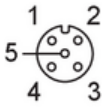
ClassicLine 2x2SI 2DOT 2LO

Remarks

Remarks	PL d, cat. 3, SIL 2 only if the fault exclusions described in the manual are used
Pack quantity	1 pcs.

Electrical connection - socket SI-1 / SI-2

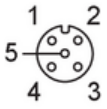
Connector: 2 x M12; coding: A; Contacts: 4; Maximum cable length: 10 m



1 (l+)	L+	
2 (IN1)	IN1	DI1
3 (l-)	L-	
4 (IN2)	IN2	DI2
5	n.c.	

Electrical connection - socket O-3

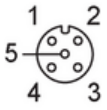
Connector: 1 x M12; coding: A; Contacts: 2; Maximum cable length: 10 m



1	n.c.	
2	n.c.	
3 (l-)	L-	
4 (OUT O3 (PNP))	OUT3	DO3 (PNP)
5	n.c.	

Electrical connection - socket O-4

Connector: 1 x M12; coding: A; Contacts: 2; Maximum cable length: 10 m



1	n.c.	
2	n.c.	
3 (l-)	L-	
4 (OUT O4 (PNP))	OUT4	DO4 (PNP)
5	n.c.	

DI: digital input; DO: digital output; IN: input; OUT: Output; n.c.: not used