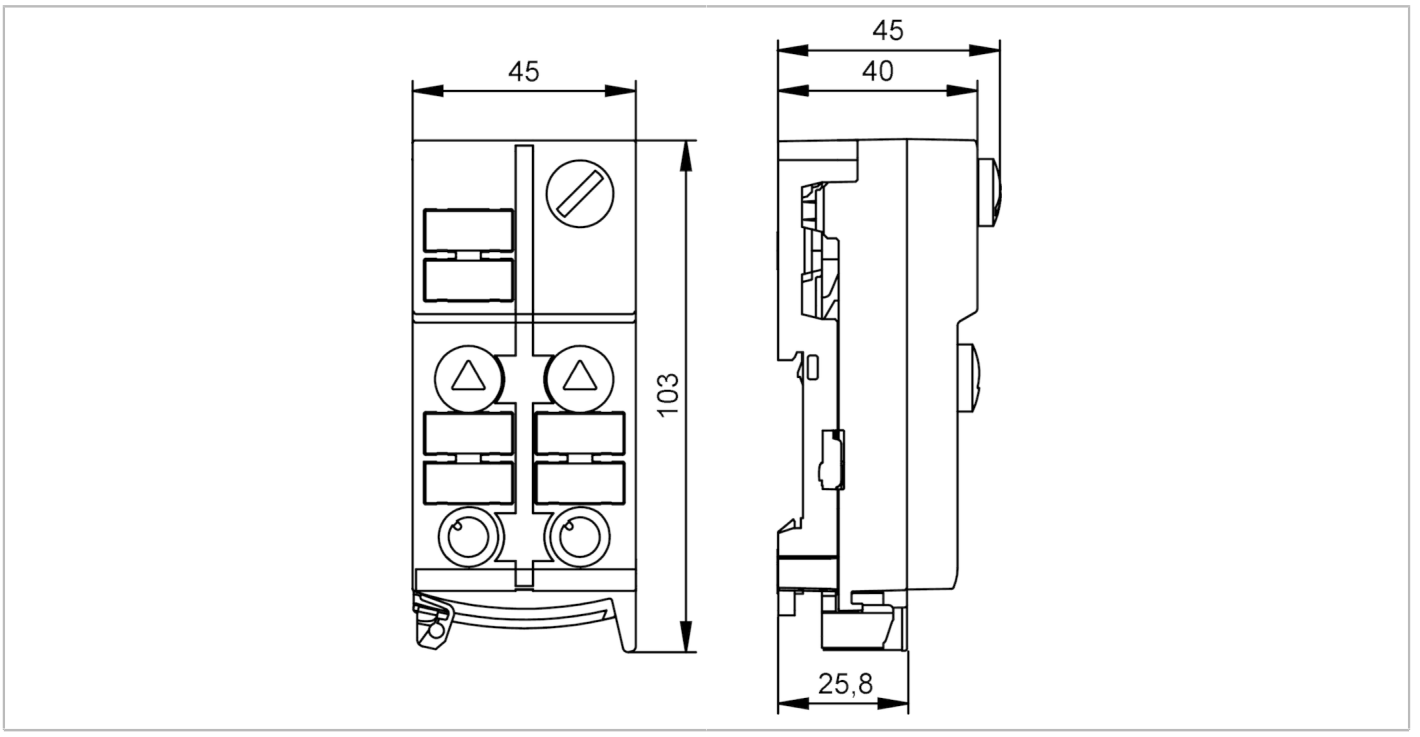
AC508S

Safe AS-Interface ClassicLine module with quick mounting technology

ClassicL 2SI AUX 2DOT 2LO OSSD



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)
Max. current consumption from AS-i	[mA]	35
Protection class		III
Reverse polarity protection		yes
Additional voltage supply	[V]	19.2...28.8 DC
Max. current consumption from additional supply	[mA]	3000; (AUX ; to SELV/PELV)
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 2; Number of digital outputs: 2
Inputs		
Number of digital inputs		2; (2 x safety input)
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AUX
Voltage supply	[V]	19.2...28.8
Max. total current rating of inputs	[mA]	2000
Input current limitation	[mA]	8
Input current High	[mA]	> 6
Input current Low	[mA]	< 2

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Switching level high	[V]	> 13
Switching level low	[V]	< 5
Overload protection digital inputs		yes
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]	19.2...28.8; (AUX)
Max. current load per output	[mA]	500
Short-circuit protection		yes
Short-circuit proof		yes
Overload protection		yes
Electrically separated		no
Actuator supply outputs		AUX
Operating conditions		
Ambient temperature	[°C]	-25...55
Note on ambient temperature		with switched outputs: -25...40 °C
Max. relative air humidity	[%]	95
Max. height above sea level	[m]	2000
Protection		IP 67
Pollution degree		2
Tests / approvals		
EMC		EN 62026-2
		EN 61326-3-1
Shock resistance		EN 60068-2-27
Vibration resistance		EN 60068-2-6
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]	2,33E-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.E
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	B.E
AS-i certificate		126301

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Assignment of the data bits	data bit	D0	D1	D2	D3
	assignment	O1	O2	O3	O4

Mechanical data		
Weight	[g]	315.65
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

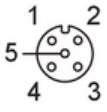
Remarks	
Remarks	PL e, cat. 4, SIL 3 only if the fault exclusions described in the manual are used
Pack quantity	1 pcs.

Electrical connection

quick mounting technology for AS-i flat cable: ; three orientations possible

Electrical connection - O-3/4

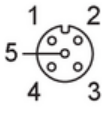
Connector: 1 x M12; coding: A; Contacts: 3; Maximum cable length: 10 m



1	n.c.	
2		O-4
3 (l-)	L-	
4		O-3
5	n.c.	

Electrical connection - 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		O-4
5	n.c.	

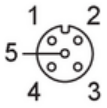
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ClassicL 2SI AUX 2DOT 2LO OSSD

Electrical connection - SI-1/2

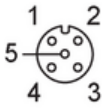
Connector: 1 x M12; coding: A; Contacts: 5; Maximum cable length: 10 m



1 (l+)	L+	
2		SI-2
3 (l-)	L-	
4		SI-1
5		FE

Electrical connection - Trans

Connector: 1 x M12; coding: A; Contacts: 5; Maximum cable length: 10 m



1 (l+)	L+	
2 (l-)	L-	
3 (l-)	L-	
4 (l+)	L+	
5		FE

FE: functional earth; n.c.: not used