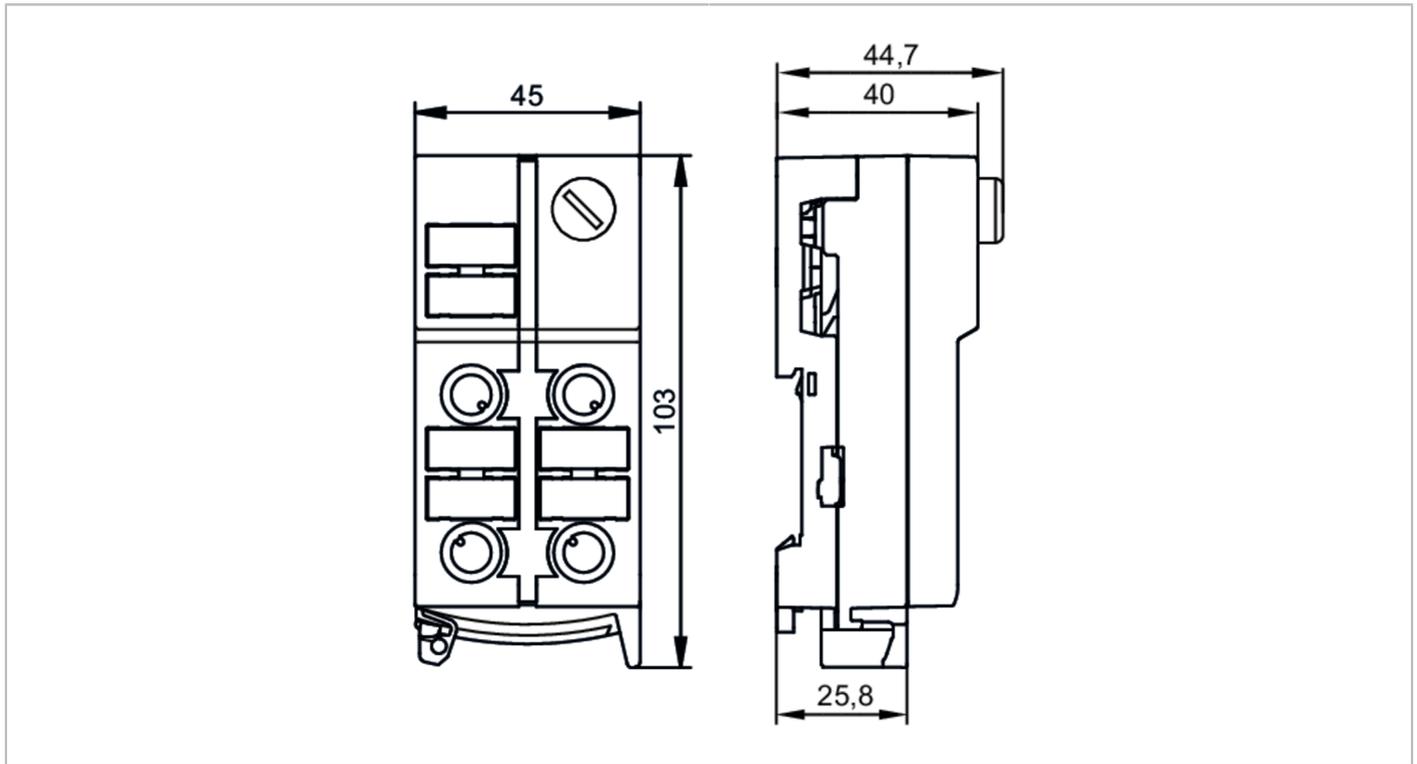# AC508A

AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DO II 3D

Application	
Application	AS-i ATEX module

Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption [mA] from AS-i	50
Max. current load total [A]	2
Integrated watchdog	yes

Inputs / outputs	
Number of inputs and outputs	Number of digital outputs: 4

Outputs	
Number of digital outputs	4
Circuit	PNP
Voltage range DC [V]	15...30; (to PELV; via flat cable)
Max. current load per output [mA]	1000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))
Short-circuit proof	yes
Electrically separated	yes

Operating conditions	
Ambient temperature [°C]	-10...50
Protection	IP 50

Tests / approvals	
ATEX marking	⟨Ex⟩ II 3D Ex tc IIIB T80°C Dc X IP50

AC508A

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ClassicLine 4DO II 3D

EMC	EN 50295			
	IEC 61000-6-2			
MTTF [years]	211			

AS-i classification

AS-i version	2.11; 3.0			
AS-i addressing	addressing socket			
Extended addressing mode	no			
AS-i master profile	M2; M3; M4			
AS-i profile	S-8.0.E			
AS-i I/O configuration [hex]	8			
AS-i ID code [hex]	0.E			
AS-i certificate pending	yes			
Assignment of the data bits	data bit	D0	D1	D2	D3
	Output	1	2	3	4
	socket	O-1/2	O1/2 O-2	O-3/4	O-3/4 O-4
	pin	4	2 4	4	2 4

Mechanical data

Weight [g]	228.5
Housing	housing for DIN rail mounting
Type of mounting	AS-i flat cables directly connectable
Materials	PA; piercing contacts: CuSn6 nickel-plated and tin-plated

Displays / operating elements

Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

Electrical connection

Module connection	Flat cables

Accessories

Items supplied	lower part
Accessories (optional)	Protective cap: M12, E73004
	Impact protection housing:, E7000A

Remarks

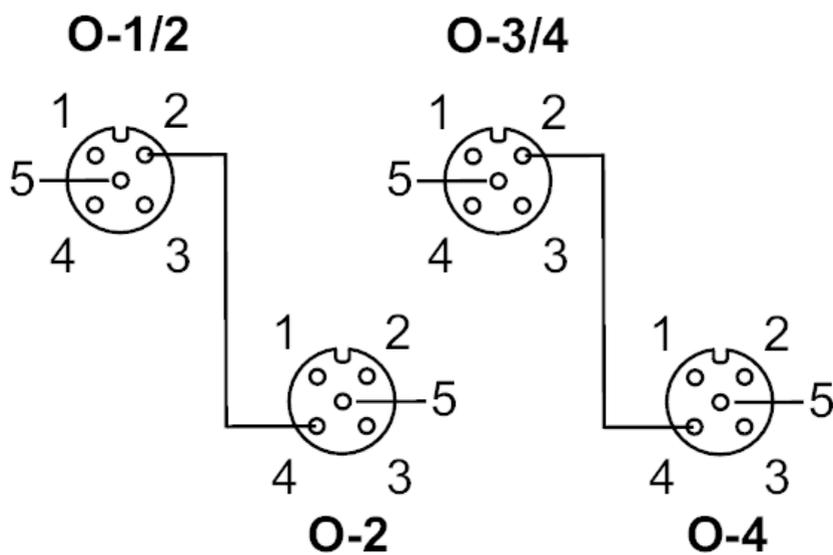|	
Remarks	Mechanical protection has to be implemented.
	Otherwise the unit must be installed together with the impact protection housing (E7000A).
Pack quantity	1 pcs.

AC508A

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Electrical connection

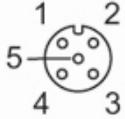quick mounting technology for AS-i flat cable: ; three orientations possible

Connection

AC508A

AS-Interface ClassicLine module with quick mounting technology

ClassicLine 4DO II 3D

Connector: M12; coding: A

	Outputs
	socket O-1/2
1	not used
2	switching output 2
3	external voltage AUX -
4	switching output 1
5	not used
	socket O-2
1	not used
2	not used
3	external voltage AUX -
4	switching output 2
5	not used
	socket O-3/4
1	not used
2	switching output 4
3	external voltage AUX -
4	switching output 3
5	not used
	socket O-4
1	not used
2	not used
3	external voltage AUX -
4	switching output 4
5	not used