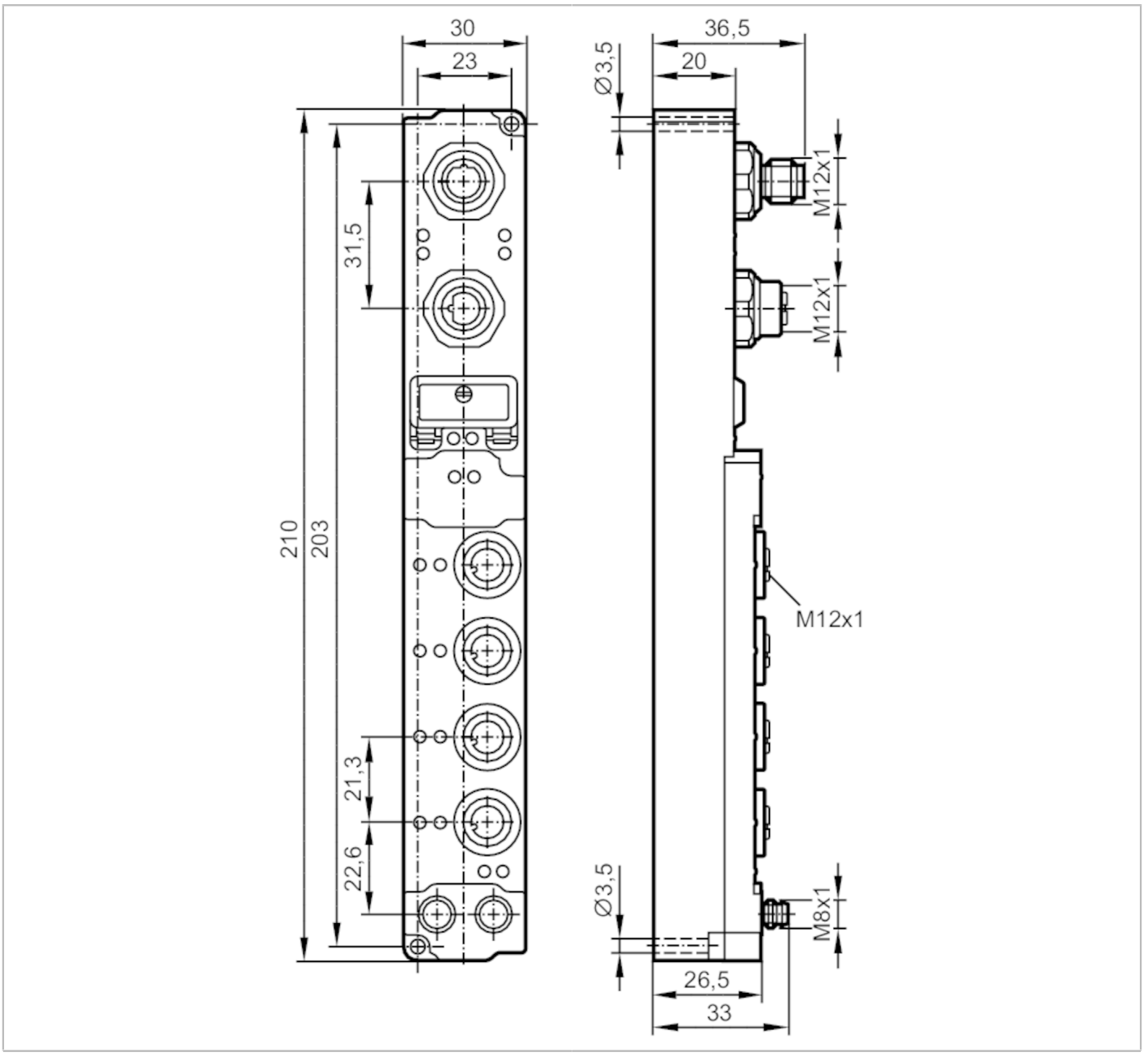
AC2634

I/O module for field applications

FieldModuleDP 4AI (PT100) M12

phase-out article



CE

Product characteristics		
Number of inputs and outputs		Number of Pt100 inputs: 4
Measuring range	[°C]	-200...850
Electrical data		
Operating voltage	[V]	20...29 DC
Current consumption	[mA]	< 110
Electrical separation		no

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Inputs / outputs			
Number of inputs and outputs		Number of Pt100 inputs: 4	
Inputs			
Number of Pt100 inputs		4	
Sensor supply of the inputs		from operating voltage	
Measuring/setting range			
Measuring range	[°C]	-200...850	
Note on measuring range		Pt100: -60...250 °C	
		Ni sensors	
Accuracy / deviations			
Measuring error [% of the final value]		< ± 1	
Interfaces			
PROFIBUS			
Transmission rate		9,6...12000 kBit/s	
Operating conditions			
Ambient temperature	[°C]	0...55	
Storage temperature	[°C]	-25...85	
Protection		IP 67	
Tests / approvals			
EMC		EN 50081-2	
		EN 50082-2	
Vibration resistance		IEC 68	parts 2-6 / IEC 68, parts 2-27
Mechanical data			
Weight	[g]	308	
Materials		housing: PA 6; potting compound: PU; contact pins: brass gold-plated	
Remarks			
Pack quantity		1 pcs.	

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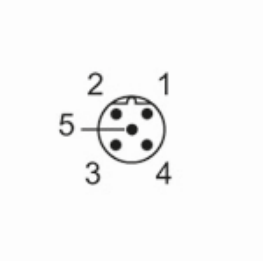
Electrical connection - PROFIBUS

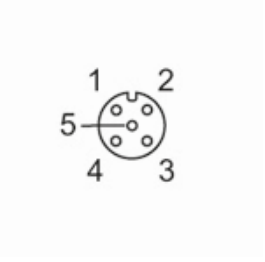
Connector: M12; coding: B



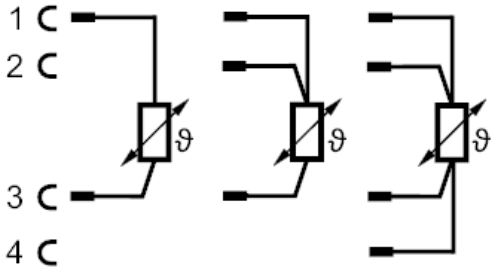
	plug M12 PROFIBUS In
1	not used
2	wire A
3	GND
4	wire B
5	Screen
	socket M12 PROFIBUS Out
1	5 V DC
2	wire A
3	GND
4	wire B
5	Screen

Electrical connection - Process connection

Connector: M12; coding: A



Connection



	Inputs M12
1	RL +
2	R +
3	RL -
4	R -
5	Screen

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Electrical connection - power supply

Connector: M8; coding: A

	plug M8
1	24 V DC UB
2	24 V DC UL
3	GND
4	GND
	socket M8
1	24 V DC UB
2	24 V DC UL
3	GND
4	GND