

AS-i 3.0 Analog Module: 2 analog Inputs (M12)

2 analog inputs, either 4 ... 20 mA or 2 Pt100 inputs

Infrared interface for slave addressing

Profile 7.3 "Plug and Play"
As simple as digital AS-i I/O

High protection category IP65



Article no. BWU2086: see BWU1895, second input via ID1 deactivated

Article no. BWU2050: 2 inputs Pt100 on AS-i with M12 connectors in IP65, AS-i 2.1 Single Slave

The analog module has 2 analog inputs, either 4 ... 20 mA or 2 Pt100 inputs.

Measured values are transferred sequentially to the host according to the respective AS-i profile. The resolution of the analog data is either 11 bit or 14 bit.

M12 connectors connect sensors to the analog module. The current supply of the sensors is made out of AS-i.

Article no.	BWU2086	BWU2050
Inputs	2 inputs Pt100	
	second input via ID1 deactivated	
AS-i Specification	AS-i 3.0 AB Slave	AS-i 2.1 Single Slave
Sensor supply	via AS-i	
Internal resistance	-	
Max. current per input	-	
Resolution	14 bit	16 bit
Range of value	-2000 ... 8500 dec. -12000 ... 13000 dec.	
Measuring value	-200 °C ... +850 °C/ 0,4 °C -120 °C ... +130 °C/ 0,04 °C	-200 °C ... +850 °C/ 0,1 °C -120 °C ... +130 °C/ 0,01 °C
Transformation speed	240 ms	
AS-i Profile	7.A.9	7.3.D
ID Code	A _{hex}	3 _{hex}
ID1 Code		F _{hex}
ID2 Code		D _{hex}
IO Code	7 _{hex}	
Displays		
LED green (PWR)	LED on: voltage at the AS-i clamps	
LED red (FAULT)	LED on: AS-i communication error LED flashing: AS-i peripheral fault	
LED yellow (state: In 1, In 2)	LED off: no signal or channel 2 is switched off (BW1894 only) LED on: signal in the range of values LED flashing: signal out of the range of values	
Operating current	< 80 mA	
Operating voltage	AS-i (30 V DC)	
Voltage of insulation	≥ 500 V	

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EMC directions	EN 61 000-6-2, EN 61 000-6-4	
Ambient operating temperature	0°C ... +70°C	
Storage temperature	-20°C ... +85°C	
Housing	housing for DIN-rail mounting	
Dimensions (L / W / H in mm)	80 / 45 / 24,5	
Protection category DIN 40 050	housing IP65	
Bit-setting of AS-i parameters	BWU2086	BWU2050
Bit P0	1:peripheral fault is indicated 0:peripheral fault is not indicated	
Bit P1	1:2-wire mode 0:4-wire mode	
Bit P2	1:-200 °C ... +850 °C 0:-120 °C ... +130 °C	

Accessories:

AS-i substructure module to connect 2 AS-i flat cables (article no. BW1180)

AS-i substructure module to connect 1 AS-i flat cable, 1 flat cable for additional supply (article no. BW1181)

AS-i substructure module to connect 2 AS-i round cable (article no. BW1182)

AS-i substructure module to connect 1 AS-i round cable, 1 round cable for additional supply (article no. BW1183)

AS-i substructure module to connect 2 AS-i flat cables with addressing socket (article no. BW1438)

Pinning:

BWU2086, BWU2050

1	CH+
2	CHS+
3	CH-
4	CHS-
5	Shield

