

# AS-i 3.0 Modbus Gateway in Stainless Steel

AS-i 3.0 from ID no. 11833 (see lateral Label)

1 AS-i master, modbus slave

Recognition of duplicate AS-i addresses

AS-i Earth Fault Detector integrated

AS-i Noise Detector integrated



<b>Art. no.</b>	<b>BWU1641</b>
Operating current	master power supply approx. 200mA out of AS-i circuit
Operating voltage	AS-i voltage 30 V DC
Baud rates	1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115000 baud, adjustable parity; default settings are: 9600 Baud, no parity, address 1
AS-i Master profile	M1
Serial interface	RS 485 (Modbus/Modbus RTU)
AS-i cycle time	150µs * (number of slaves + 2)
<b>Display</b>	
LCD	displaying slave addresses and error messages
LED green (power)	power on
LED green (ser active)	Modbus interface
LED red (config error)	configuration error
LED green (U AS-i)	AS-i voltage OK
LED green (AS-i active)	AS-i normal operation active
LED green (prg enable)	automatic address programming enabled
LED yellow (prj mode)	the master is in configuration mode
Buttons	4
Voltage of insulation	≥ 500 V
EMC directions	according EN 50082, EN 50081
Ambient operating temperature	0 °C ... +55 °C
Storage temperature	-25 °C ... +85 °C
Housing	AS-i master housing in stainless steel
Dimensions (L, W, H)	120mm, 75mm, 83mm
Protection category EN 60 529	IP20
Tolerable loading referring to impacts and vibrations	according EN 61 131-2
Weight	460g

## Accessories:

- Software "AS-i Control Tools" with serial cable for AS-i Master in Stainless Steel (art. no. BW1602)
- Interface converter RS 232C/RS 485 (art. no. BW1094)

# AS-i 3.0 Modbus Gateway in Stainless Steel

AS-i 3.0 from ID no. 11833 (see lateral Label)

2 AS-i masters, modbus slave

Recognition of duplicate AS-i addresses

AS-i Earth Fault Detector integrated

AS-i Noise Detector integrated

BWU1642: redundant power supply out of AS-i:

all fundamental functions of the device remain available  
even in case of power failure in one of the two AS-i networks

BWU1643 in version "1 gateway, 1 power supply for 2 AS-i circuits":  
only 1 gateway + 1 AS-i power supply for 2 AS-i networks



Art. no.	BWU1642	BWU1643
Operating current	master power supply, max. 200 mA out of AS-i circuit 1 (approx. 70 mA ... 200 mA) max. 200 mA out of AS-i circuit 2 (approx. 70 mA ... 200 mA); in sum max. 270 mA	version "1 gateway, 1 power supply for 2 AS-i circuits", approx. 250 mA (PELV supply)
Baud rates	1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115000 baud, adjustable parity; default settings are: 9600 Baud, no parity, address 1	
AS-i Master profile	M1	
Serial Interface	RS 485 (Modbus/Modbus RTU)	
AS-i cycle time	150µs * (number of slaves + 2)	
<b>Display</b>		
LCD	displaying slave addresses and error messages	
LED green (power)	power on	
LED green (ser active)	Modbus interface	
LED red (config error)	configuration error	
LED green (U AS-i)	AS-i voltage OK	
LED green (AS-i active)	AS-i normal operation active	
LED green (prg enable)	automatic address programming enabled	
LED yellow (prj mode)	the master is in configuration mode	
Buttons	4	
Voltage of insulation	≥ 500 V	
EMC directions	according EN 50082, EN 50081	
Ambient operating temperature	0 °C ... +55 °C	
Storage temperature	-25 °C ... +85 °C	
Housing	AS-i master housing in stainless steel	
Dimensions (L, W, H)	120 mm, 75 mm, 83 mm	
Protection category EN 60 529	IP20	
Weight	460 g	

## Accessories:

- Software "AS-i Control Tools" with serial cable for AS-i Master in Stainless Steel (art. no. BW1602)
- Interface converter RS 232C/RS 485 (art. no. BW1094)
- Power supplies, e.g.: AS-i power supply, 4 A (art. no. BW1649), AS-i power supply, 8 A (art. no. BW1997)  
(further power supply units can be found at [www.bihl-wiedemann.de/en/products/accessories/power-supplies](http://www.bihl-wiedemann.de/en/products/accessories/power-supplies))