


**ASi-3 Master with serial interface**  
**1 ASi Master**

**RS 232 interface**

**B+W standard protocol for communication with the host**

**Optional Control II, pre-processing ASi Control**

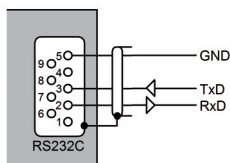


Figure	Fieldbus interface <sup>(1)</sup>	ASi-5/ASi-3	Number of ASi networks, number of ASi Master <sup>(2)</sup>	Integrated decoupling, ASi current measurement in the gateway <sup>(3)</sup>	Recognition of duplicate ASi addresses <sup>(4)</sup>	ASi fault detector <sup>(5)</sup>	Programming in C <sup>(6)</sup>	Article no.
	RS 232	ASi-3 compatible	1 ASi network, 1 ASi-3 Master	no, max. 8 A/ ASi network	no	yes	no (optional Control II)	BWU1955

- (1) **Fieldbus interface**  
 Communication interface between fieldbus and gateway: interfaces for standardized fieldbus systems in industrial automation.  
**PROFINET ASi Gateway:** interface for a PROFINET fieldbus
- (2) **Number of ASi networks, number of ASi Master**  
**"Single Master":** 1 ASi network, 1 ASi-3 Master.  
**"Double Master":** 2 ASi networks, 2 ASi-3 Masters.
- (3) **Integrated decoupling, ASi current measurement in the gateway**  
**"no, max. 8 A/ASi network":** 1 power supply per ASi network.
- (4) **Recognition of duplicate ASi addresses**  
 Detects whether the same address has been assigned to two ASi nodes. Frequent error when using a handheld addressing device.
- (5) **ASi fault detector**  
 Checks the ASi line for interference effects such as noise, external voltages, ...
- (6) **Programming in C**  
 Using a C-program offers the possibility to run mini-PLC functions with a gateway.  
 Gateways with Control II use the AWL programming language for the functions of the small PLC.

<b>Article no.</b>	<b>BWU1955</b>
<b>Fieldbus Interface</b>	
Interface	RS 232 Interface
Baud rate	1200, 2400, 4800, 9600, 19200, 38400 oder 57600 Baud, automatic recognition
<b>ASi</b>	
ASi specification	3.0
Cycle time	150 $\mu$ s * (number of nodes + 2)
Operating voltage	30 V <sub>DC</sub> (20 ... 31,6 V) (PELV voltage)
Operating current	ca. 200 mA
<b>Display</b>	
LCD	menu, ASi indication of addresses, error messages in plain text
LED power (green)	power ON
LED ser active (green)	RS- 232 communication active
LED config error (red)	configuration error
LED U ASi (green)	ASi voltage o.k.
LED ASi active (green)	ASi normal operation active
LED prg enable (green)	automatic address programming enabled
LED prj mode (yellow)	in configuration mode
<b>UL-specifications (UL508)</b>	
External protection	An isolated source with a secondary open circuit voltage of $\leq 30$ V <sub>DC</sub> with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed.
In general	UL mark does not provide UL certification for any functional safety rating or aspects of the above devices.
<b>Environment</b>	
Applied standards	EN 61000-6-2 EN 61000-6-4
Operating altitude	max. 2000 m
Operating temperature	0 °C ... +55 °C
Storage temperature	-25 °C ... +85 °C
Housing	Stainless Steel, for DIN rail mounting
Protection category	IP20
Tolerable loading referring to impacts and vibrations	according to EN 61131-2
Voltage of insulation	$\geq 500$ V
Weight	460 g
Dimensions (W / H / D in mm)	75 / 120 / 83

### Pin assignment:



### Accessories:

- Software for diagnostics, service approval and measurements (art. no. BW2902)
- 24 V to 30 V ASi power supply 2 A (art. no. BW1760)
- D-sub-data cable 9-pin, 1,8 m (art. no. BW1058)
- Power supplies, e.g.: ASi power supply, 4 A (art. no. BW1649), ASi 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))