AS-i 3.0 EtherNet/IP Gateway in Stainless Steel

Bihl +Wiedemann

THE AS-INTERFACE MASTERS

EtherNet/IP to AS-i

1 AS-i 3.0 master

AS-i Earth Fault Detector integrated

Recognition of duplicate AS-i addresses

AS-i Noise Detector integrated

CE

Art. no.	BWU1828
Operating current	power supply A, approx. 300 mA out of AS-i circuit
Operating voltage	AS-i voltage 30 V DC
Terminals	10/100 MBaud Ethernet, RJ-45 socket RS 232 diagnostic interface
Baud rates	10/100 MBaud
AS-i cycle time	150 μs*(Number of slaves + 2)
Displays	
LCD	displaying AS-i slave addresses and error messages
LED green (power)	voltage ON
LED green (ser active)	Ethernet network active
LED red (config error)	configuration error
LED green (U AS-i)	AS-i voltage OK
LED green (AS-i active)	AS-i in normal operation
LED green (prg enable)	automatic address programming enabled
LED yellow (prj mode)	configuration mode active
Push-buttons	4 (mode/set)
Voltage of insulation	$\geq$ 500 V
EMC directions	EN 50 295, EN 61 000-6-2, EN 61 000-6-4
Operating temperature	0°C … +55°C
Storage temperature	-25°C … +85°C
Housing	housing in stainless steel
Dimensions (L, W, H)	120 mm, 100 mm, 83 mm
Protection category DIN 40 050)	terminals IP20
Tolerable loading refering to impacts and vibrations	according to EN 61 131-2
Weight	550 g

Accessories:

• Software "AS-i Control Tools" with serial transmission cord for connection of the AS-i Master (art. no. BW1602)

• Cross-Link cable (art. no. BW1304)

• AS-i power supply 4 A (art. no. BW1649)

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2 AS-i 3.0 Masters

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BWU1829: 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

BWU1833 in Version
1 power supply, 1 gateway for 2 AS-i circuits:
only 1 gateway + 1 AS-i power supply for 2 AS-i networks!

CE

Art. no.	BWU1829	BWU1833
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 Summe max. 270 mA	version "1 power supply, 1 gateway for 2 AS-i circuits", approx. 250 mA (PELV supply)
Terminals	10/100 MBaud ethernet, RJ-45 socket RS 232 diagnostic interface	
Baud rates	10/100 MBaud	
AS-i cycle time	150 μs*(Number of slaves + 2)	
Displays		
LCD	displaying AS-i slave addresses and error messages	
LED green (power)	voltage ON	
LED green (ser active)	Ethernet network active	
LED red (config error)	configuration error	
LED green (U AS-i)	AS-i voltage OK	
LED green (AS-i active)	AS-i in normal operation	
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Push-buttons	4 (mode/set)	
Voltage of insulation	$\geq$ 500 V	
EMC directions	EN 50 295, EN 61 000-6-2, EN 61 000-6-4	
Operating temperature	0°C … +55°C	
Storage temperature	-25°C … +85°C	
Housing	housing in stainless steel	
Dimensions (L, W, H)	120 mm, 100 mm, 83 mm	
Protection category DIN 40 050)	terminals IP20	
Tolerable loading refering to impacts and vibrations	according to en 61 131-2	
Weight	550 g	620 g

Accessories:
- Software "AS-i Control Tools" with serial transmission cord for connection of the AS-i Master (art. no. BW1602)
- Cross-Link cable (art. no. BW1304)
- AS-i power supply 4 A (art. no. BW1649)
- Power supply 4 A (art. no. BW1597)/8 A (art. no. BW1598) for BWU1833 and BW1836