

AS-i 3.0 DeviceNet Gateway in Stainless Steel

DeviceNet to AS-i bridge

1 AS-i 3.0 master

AS-i Earth Fault Detector integrated

Recognition of duplicate AS-i addresses

AS-i Noise Detector integrated



Art. no.	BWU1818
Art. no.	BW1824 Class 1 Div 2 (Group A, B, C & D, T-Code 4)
Operating current	power supply A, approx. 200 mA out of AS-i
Operating voltage	AS-i voltage 30 V DC
Terminals	DeviceNet interface (5-pin plug) RS 232 diagnostic interface
AS-i Master profile	master profile M4 (AS-i specification 3.0)
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/red (ser active)	module/network-status (MNS)
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	≥ 500 V
EMC directions	EN 50 295, EN 61 000-6-2, EN 61 000-6-4
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, 85 mm, 83 mm
Protection category DIN 40 050)	terminals IP20
Tolerable loading referring to impacts and vibrations	according to EN 61 131-2
Weight	520 g

Accessories:

- Software "AS-i Control Tools" with serial transmission cord for connection of the AS-i Master (art. no. BW1602)
- DeviceNet Master Simulator with USB interface (art. no. BW1420)
- Data transmission cord for AS-i Gateways with CAN interface (art. no. BW1226)
- AS-i Power Supply 4 A (art. no. BW1649)

Pin assignment:

	Signal	Color
1	V+	red
2	CAN_H	white
3	Shield	n/a
4	CAN_L	blue
5	V-	black

AS-i 3.0 DeviceNet Gateway in Stainless Steel

DeviceNet to AS-i Bridge

2 AS-i 3.0 Masters

AS-i Earth Fault Detector integrated



Recognition of duplicate AS-i addresses

AS-i Noise Detector integrated

BWU1819: 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

BWU1820, BW1826 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!



Art. no.	BWU1819		Art. no. BWU1820
Art. no.		BW1825 Class 1 Div 2 (Group A, B, C & D, T-Code 4) 	W1826 Class 1 Div 2 (Group A, B, C & D, T-Code 4) 
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	approx. 200 mA out of AS-i circuit 1 approx. 70 mA out of AS-i circuit 2	version "1 power supply, 1 gateway for 2 AS-i circuits", approx. 250 mA (PELV supply)
Terminals	DeviceNet interface (5-pin plug) RS 232 diagnostic interface		
AS-i master profile	master profile M4 (AS-i specification 3.0)		
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/red (ser active)	module/network status (MNS)		
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	≥ 500 V		
EMC directions	EN 50 295, EN 61 000-6-2, EN 61 000-6-4		
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, 85 mm, 83 mm		
Protection category DIN 40 050)	terminals IP20		
Tolerable loading referring to impacts and vibrations	according to EN 61 131-2		
Weight	520 g		590 g

Accessories:

- Software "AS-i Control Tools" with serial transmission cord for connection of the AS-i Master (art. no. BW1602)
- DeviceNet Master Simulator (art. no. BW1420)
- Data transmission cord for AS-i Gateways with CAN interface (art. no. BW1226)
- AS-i Power Supply 4 A (art. no. BW1649)
- Power Supply 4 A (art. no. BW1597)/8 A (art. no. BW1598) for art. no. BW1826 and BWU1820

Signal	Color
V+	red
CAN_H	white
Shield	n/a
CAN_L	blue
V-	black