

AS-i 3.0 Ethernet/IP + Modbus TCP Gateway in Stainless Steel

EtherNet/IP + Modbus TCP in one device

Integrated switch

Recognition of Duplicate AS-i Addresses

AS-i Earth Fault Detector integrated

AS-i Noise Detector integrated

Optional Control III, programming in C

AS-i Power24V-capability¹



BWU2379



BWU2380 / BWU2381



Article no.	BWU2379 / BWU2380 / BWU2381
Interface	
Ethernet interface	RJ-45: 10/100 MBaud Ethernet + Modbus TCP acc. to IEEE 802.3, integrated switch
Baud rate	10/100 MBaud
Card slot	Chip card for storage of configuration data
AS-i	
Cycle time	150µs * (number of slaves + 2)
Operating voltage	AS-i voltage 30V DC
Display	
LCD	menu, AS-i indication of slave addresses, error messages in plain text
LED power	power ON
LED ser active	Ethernet network active
LED config error	configuration error
LED U AS-i	AS-i voltage o.k.
LED AS-i active	AS-i normal operation active
LED prg enable	automatic slave programming enabled
LED prj mode	configuration mode active
Environment	
Applied standards	EN 61 000-6-2 EN 61 000-6-4
Housing	Stainless Steel
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Protection category DIN EN 60 529	IP20
Tolerable loading referring to impacts and vibrations	gemäß EN 61 131-2
Voltage of insulation	≥ 500V
Dimensions (W / H / D in mm)	85 / 120 / 83
Weight	500 g

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Article no.	Number AS-i Master	Duplicate addresses inspector	AS-i Detector	Programming and diagnosis interface	Safety Monitor integrated	Preprocessing	AS-i Spec.
BWU2379	1 Master	yes	yes	RS232	optional	Control III	3.0
BWU2380	2 Master	yes	yes	RS232	optional	Control III	3.0
BWU2381	2 Master out of 1 power supply	yes	yes	RS232	optional	Control III	3.0

Operating current			
Article no.	Master power supply, max. 200mA out of AS-i circuit 1 (ca. 70mA ... 200mA), max. 200mA out of AS-i circuit 2 (ca. 70mA ... 200mA); in sum max. 270mA	Version „1 gateway, 1 power supply for 2 AS-i networks“, approx. 250mA (PELV voltage)	Master power supply, ca. 200mA out of AS-i circuit
BWU2379	–	–	●
BWU2380	●	–	–
BWU2381	–	●	–

Article no.	BWU2379	BWU2380	BWU2381
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	–	●	–
Current measurement of the AS-i circuits	–	–	●
Self-resetting adjustable fuses	–	–	●
AS-i earth fault monitor distinguishes between AS-i cable and sensor cable	–	–	●
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	–	–	●

¹AS-i Power24V

All gateways in this group are AS-i Power24V capable. That means, that all devices can be operated directly on a 24V (PELV) power supply.

The gateway BWU2381 is optimized with integrated data coupling coils and adjustable self-resetting fuses for safe use also of powerful 24V power supplies.

The gateways BWU2379 and BWU2380 will add in Power24V-operation a BW1943 power supply decoupling unit.

Accessories:

- Software "AS-i Control Tools" (art. no. BW1203)
- Power supply 4A (art. no. BW1649)/8A (art. no. BW1593)
- AS-i Power Supply Decoupling Unit (art. no. BW1943)
- Control III, Programming in C (art. no. BW2582)