

AS-i 3.0 Master/Scanner for Allen-Bradley CompactLogix/MicroLogix 1500

AS-i Master for Allen-Bradley

- CompactLogix
- MicroLogix 1500

AS-i 3.0 from Ident-no. 12821
(see lateral label)



(figure similar)



Article No. BW1610: Complete set: AS-i 3.0 Master BWU1416 plus accessories BW1563

Article No. BWU1416: AS-i 3.0 Master for Allen-Bradley CompactLogix/MicroLogix 1500

Function

The Bihl+Wiedemann AS-i Master connects a CompactLogix processor or a MicroLogix 1500 to an AS-i network. Fast, easy set up into PLC backplane by the help of the new AS-i Master.

AS-i I/O data and status information is mapped into the PLC processor's I/O data.

AS-i Scope

Diagnostics, which go far beyond the standard diagnostics facilitate the simple detection of the occasionally occurring configuration errors and further irritations towards the AS-i communication.

So in case of an error the down time of machines can be minimized or you can initiate preventive maintenance.

Commissioning and monitoring

The Bihl+Wiedemann AS-i master BWU1416 for CompactLogix and MicroLogix 1500 is a type 1769 module. It is suitable for use with any CompactLogix and MicroLogix Controller that supports type 1769 modules.

The AS-i Master can be commissioned respectively parameterized with the help of the software "AS-i Control Tools".

Commissioning, debugging and setting up the system without the software can only be accomplished with the use of two push-buttons, the display and the LEDs directly on the system.

Art. no.	BWU1416
Operating current	approx. 100 mA out of AS-i approx. 450 mA out of power supply 5 V DC
Operating voltage	30 V _{DC} (20 ... 31,6 V)
AS-i cycle time	150 µs*(number of slaves + 2)
Displays	
LED display	displaying slave addresses and error messages
LED green (power)	power on
LED green (diag)	communication and control information
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
Push-buttons	2 (mode/set)
Environment	
EMC directions	acc. EN 61000-6-2; EN 61000-6-3
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Pollution degree	2
Housing	for DIN-rail mounting
Protection category	IP20
Tolerable loading referring to humidity	according to EN 61131-2
Voltage of insulation	≥500 V
Weight	420 g
Dimensions (W / H / D in mm)	35 / 132 / 102

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Accessories:

- Software "AS-i Control Tools" with serial transmission cord for Allen-Bradley AS-i Master (art. no. BW1563)