

AS-i Gateway to LON in Protection Class IP65

Powered by AS-i

Advanced AS-i diagnostics



Function

The AS-i/LON Gateway serves to connect the Actuator-Sensor-Interface to a hierarchically higher LON system. The Gateway acts as a complete Master for the AS-i. All AS-i functions can be called via LON variables.

As with all Masters of Bihl+Wiedemann, commissioning, debugging and setting up of the AS-i parameters can be accomplished with the use of two push-buttons, the LCD display and the LEDs directly on the system.

Article no.	BW1237
Connections	AS-i: according to AS-i specification LON: heavy gauge terminals and cage clamp terminal blocks
Operating current	Master power supply A, approx. 200 mA out of AS-i circuit
Operating voltage	AS-i voltage 30 V DC
Baud rates	62,5 Kbaud, 375 Kbaud
AS-i cycle time	150 µs*(Number of slaves + 1)
Displays	
LCD	AS-i slave addresses and error messages
LED green (power)	Power on
LED green (BUS active)	Communication via LON
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)
Voltage of insulation	≥ 500 V
EMC directions	EN 50082, EN 50081
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Housing	Housing for DIN-rail mounting
Dimensions (L, W, H)	90 mm, 80 mm, 70 mm
Protection category (DIN 40 050)	Housing IP65
Weight	355 g
AS-i Specification	2.1

Connections

1	Net A
2	Net B
3	Net A
4	Net B

