A significant advantage is being able to work both in a PROFIBUS-FMS as well as a PROFIBUS-DP network. In addition, a function modules makes integration into a Sinec L2 environment using the Simatic S5 easier.
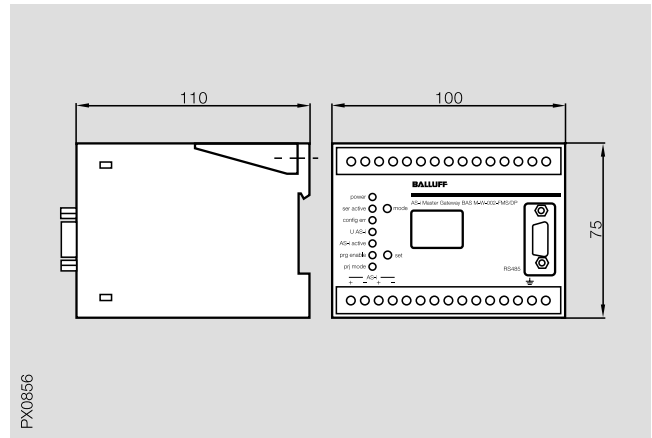
Other advantages:
– Available as a control with PLC functionality
– Fast, easy to operate PROFIBUS implementation
– PROFIBUS interface configuration universally settable
– Fast response times
– Rapid AS-Interface® master implemenation (cycle time 0.3 ms for one slave)
– Simple and fast processing of AS-Interface® flags
– Startup and trouble-shooting on the AS-Interface® circuit also possible without PROFIBUS
– Detailed error diagnostics with display, LED's and buttons
– All recogized slaves can be displayed (also without PROFIBUS connection)
– Can be used in all AS-Interface® systems

The use of gateways in connection with Siemens devices is quite easy with the help of the supplied model files for Siemens IM 308B and IM 308C. The device master file is also included.

The unit is shipped with the standard software package, which allows startup and programming of the device from the serial port of a PC without additional, expensive hardware. All that is required is an RS232C-to-RS485 converter.

		Master Gateway PROFIBUS	Master Gateway PROFIBUS
		with control function supplied from AS-Interface® circuit	with control function supplied from AS-Interface® circuit

PX0856

Ordering code		BAS M-W-002-FMS/DP	BAS M-W-002-DP-C2
Protocol		PROFIBUS FMS/DP	PROFIBUS DP
Outputs	PROFIBUS	PROFIBUS slave, DIN EN 50170 FMS/DP, galvanic isolation, 9.6 Kbaud to 1.5 Mbaud, automatic baud rate detection	PROFIBUS slave, DP function only, galvanic isolation, 9.6 Kbaud to 12 Mbaud, automatic baud rate detection
	AS-Interface®	per AS-Interface® specification	
Supply voltage U_B		from AS-Interface® circuit	
Rated operational current I_e		≤ 180 mA	
Protected against polarity reversal		yes	
Short circuit protected		yes	
Ambient temperature range T_a		0...+55 °C	
Function indication	LCD, 2-digit	address display/error code	
	LED green	voltage ON (power)	
	LED green	interface operating (ser active)	
	LED red	configuration error (config err)	
	LED green	AS-Interface®-voltage OK (U AS-Interface®)	
	LED green	AS-Interface®-run normal (AS-Interface® active)	
	LED green	automatic programming (prg enable)	
	LED yellow	projecting mode active (prj mode)	
Degree of protection per IEC 60529		housing IP 40, terminals IP 20	
Buttons		2 (mode and set)	
Master profile		M 1	

	Master Gateway PROFIBUS
	with control function
	supplied from AS-Interface® circuit

The AS-i/PROFIBUS-DP-Gateway in IP 67 is used to connect the Actuator-Sensor Interface to the PROFIBUS-DP.
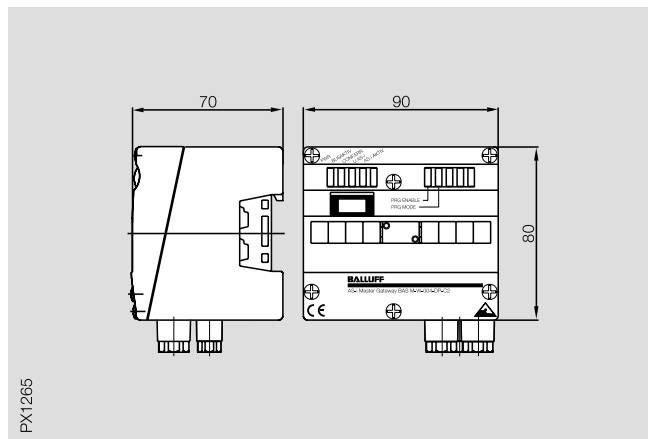
The AS-I string is connected through the electromechanical interface (penetration method), as is customary for numerous AS-i slaves.

The PROFIBUS is connected through PG fittings as well as terminals inside the device. Even with the IP 67 protection, startup, troubleshooting and projection on the AS-i circuit can be accomplished as with all other AS-i masters with the help of two buttons, an LCD display, as well as 7 LED's.

Operation of the AS-i PROFIBUS-DP Gateway in IP 67 is identical with the IP 20 version of the device (BAS M-W-002-DP-C2). The C2 designation, enhanced control functionality with significantly faster program processing time, gives the unit capabilities comparable with a minicontroller.

Up to 16 KB of program memory, 250 timers, 250 counters and 1 KB for flags are available for the programs, which are stored in a non-volatile EEPROM. Syntax similar to STEP5 is used.

The included standard software package allows the device to be commissioned and programmed from the serial port of a PC without additional, expensive hardware. Only a PROFIBUS converter is required for linking. The device master file as well as the model files are also included.

PX1265

Ordering code		BAS M-W-004-DP-C2
Protocol		PROFIBUS-DP
Outputs	PROFIBUS	PROFIBUS slave, DP function only, galvanic isolation, 9.6 Kbaud to 12 Mbaud, automatic baud rate detection
	AS-Interface®	per AS-Interface® specification
Supply voltage U_B		from AS-Interface® circuit
Rated operational current I_e		≤ 180 mA
Protected against polarity reversal		yes
Short circuit protected		yes
Ambient temperature range T_a		0...+55 °C
Function indication	LCD, 2-digit	address display/error code
	LED green	voltage ON (power)
	LED green	interface operating (ser active)
	LED red	configuration error (config err)
	LED green	AS-Interface®-voltage OK (U AS-Interface®)
	LED green	AS-Interface-run normal (AS-Interface® active)
	LED green	automatic programming (prg enable)
	LED yellow	projecting mode active (prj mode)
Degree of protection per IEC 60529		housing IP 67
Buttons		2 (mode and set)
Master profile		M 1

5

AS-i accessories page 5.28 ...

The AS-Interface® master DeviceNet Gateway is used to link the Actuator-Sensor Interface to a host DeviceNet™. The Gateway represents the complete master for the AS-Interface® and a slave for DeviceNet™.

All AS-Interface® functions can be implemented through DeviceNet™. Startup, trouble-shooting and projecting on the AS-Interface® can, as with all other masters, be done with the help of two buttons, the LCD display and the LED's directly on the device.

	Master Gateway DeviceNet™
	supplied from AS-Interface® circuit

CE

110   100   75

PX1034

Ordering code	BAS M-W-003-DNET
Protocol	DeviceNet™
Outputs DeviceNet™	per DeviceNet™ specification
AS-Interface®	per AS-Interface® specification
Supply voltage U_B	from AS-Interface® and DeviceNet
Rated operational current I_e	AS-Interface® ≤ 18 mA/DeviceNet ≤ 100 mA at 24 V
Protected against polarity reversal	yes
Short circuit protected	yes
Ambient temperature range T_a	0...+55 °C
Function LCD, 2-digit	address display/error code
indication LED green	voltage ON (power)
LED green/red	Module/Net Status (MNS)
LED red	configuration error (config err)
LED green	AS-Interface®-voltage OK (U AS-Interface®)
LED green	AS-Interface®-run normal (AS-Interface® active)
LED green	automatic programming (prg enable)
LED yellow	projecting mode active (prj mode)
Degree of protection per IEC 60529	housing IP 40, terminals IP 20
Buttons	2 (mode and set)
Master profile	M 1