Masters and gateways

Model number
GW458161A

Dual channel AS-Interface to Profibus-DP gateway with single power supply feature

The AS-Interface/Profibus gateway interfaces the AS-Interface to Profibus-DP. The gateway acts as a master for AS-Interface and as a slave for Profibus. AS-Interface functions can be called up via Profibus. Commissioning can be accomplished with a hand-held addressing unit or with the push buttons on the gateway.
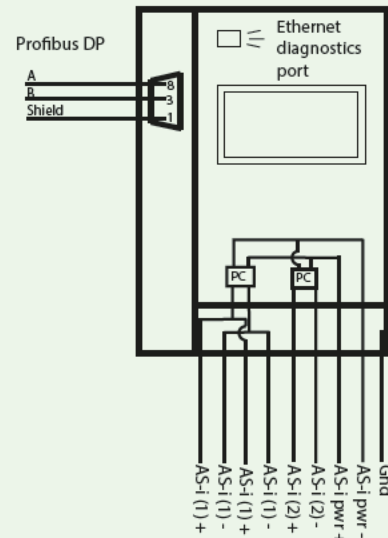
Features

- AS-Interface peripheral fault diagnostics
- Duplicate address detection
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Ethernet web server for diagnostics
- Integrated GSD file
- Chip card for storing configuration
- Single power supply for two (2) networks

Specifications	
AS-Interface master version	3.0
Interface	Profibus-DP
Diagnostic interface	RJ45 Ethernet
Operating current	250mA
Operating voltage	30 VDC requires (1) 30 VDC power supply
Baud rate	9.6k - 12000k baud (automatic recognition)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display Display network1/network2, green LED Serial communication active, green LED Configuration error, red LED AS-Interface voltage normal, green LED AS-Interface normal operation, green LED Automatic address program enabled, green LED Master in configuration mode, yellow LED
Operating temperature	0º to +55ºC (+32º to +131ºF)
Storage temperature	-25º to +85ºC (-13º to +185ºF)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)

Schematic drawing

Graphical display

The interactive graphical display on this gateway enables the entire AS-Interface network to be commissioned and the connected devices to be completely tested without a PC, PLC or host system. It also enables the user to complete all tasks previously requiring the "AS-Interface Control Tools" software package or hand-held. This allows for simpler and faster commissioning.

Features

- Set device addresses
- Test inputs and outputs
- Perform network diagnostics
- View error counter

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