

AHD-BTF

Data Processing Station

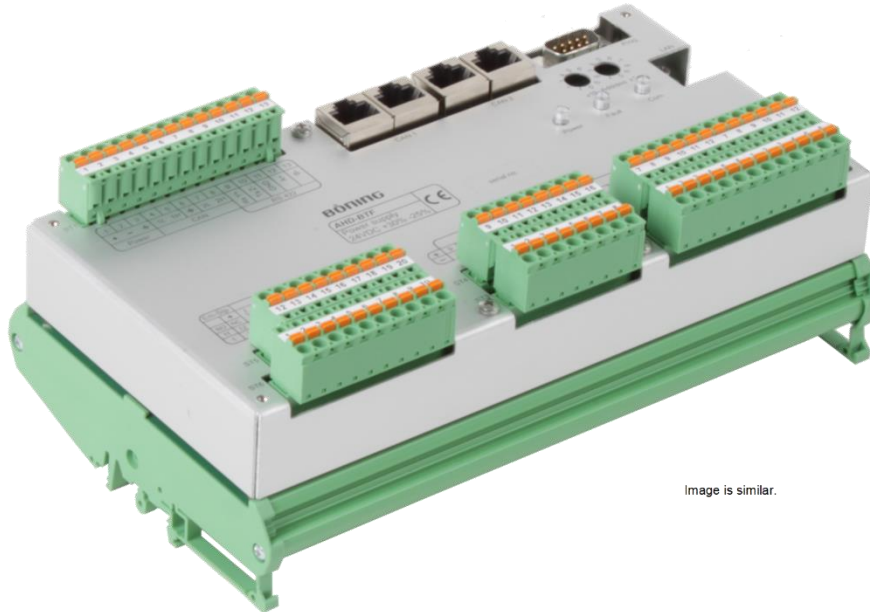


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- ***Acquisition of external data sources***
- ***Distribution of processed data to external display and control devices***
- ***Function as configurable watch standby system***
- ***Internal data memory for local storage of events, that can be displayed on panel PCs***

AHD-BTF is a universal data station for all signals and data on board of a ship. For example, AHD-BTF can capture and process external data sources, measurement and performance data from engines, generators and ship alarm systems and make them available in the ship's Bönning system. Status messages, such as watch standby, and alarms can also be processed. The internal memory can store up to 16,000 events.

At the same time, AHD-BTF can perform mathematical and logical operations (PLC functionality).

AHD-BTF has numerous interfaces (CAN at RJ45 and terminals, binary inputs, relay outputs, 6 analog inputs 4-20 mA and 6 analog outputs 4-20 mA) for integration into the ship's infrastructure.

AHD-BTF can visualize these data on up to 7 panel PCs, connected via Ethernet.

Dimensions

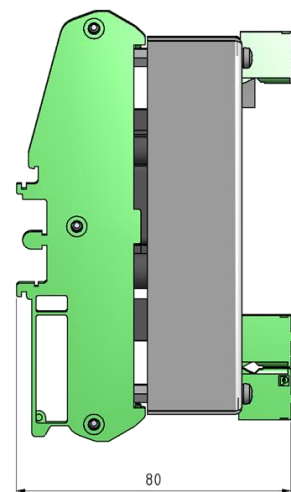
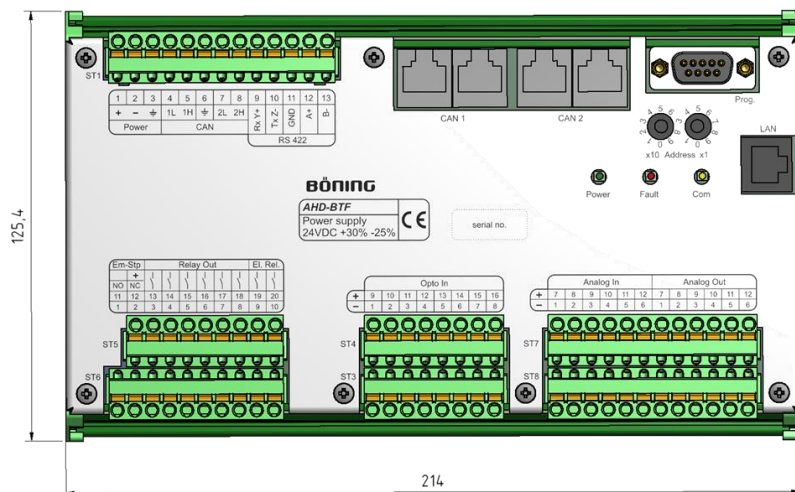


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Technical Data

Power Supply	24 V DC (+30% -25%)	Interfaces	2 x CAN
Current Consumption	Ca. 420 mA (24VDC)		1 x RS232 (Sub-D, 9-pin, plug) for service purposes
Ambient Temperature	-30°C...+ 70°C		1 x RS422 (without function)
Storage Temperature	-50°C...+85°C		1 x LAN
Weight	Appr. 0.7 kg		8 x binary input (optocoupler)
Protection Class	IP 20		6 x analog input (4-20 mA)
Overall Dimensions (mm)	214 x 80 x 125,4 mm		6 x analog output (4-20 mA)
Required Distance to	Standard magnetic compass:		6 x standard relay output
Compass	1.65 m		(max. 2 A/30 V DC)
	Steering magnetic compass: 0.80 m		
Installation	DIN rail TS 32/35		2 x EL relay (max. 0.5 A/30 V DC)