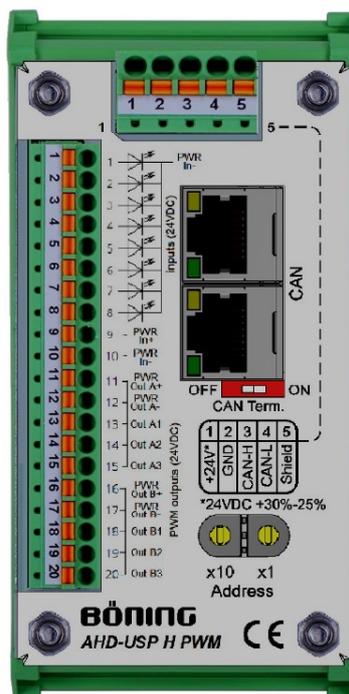


# AHD-USP H PWM

## Universal IO-Modul with PWM Outputs



- **Universal input and output module in a compact design**  
**6 PWM outputs, optimized for controlling coloured light fields**  
**(2 groups of 3 channels each)**
- **8 optocoupler inputs for detecting binary contacts**
- **Remote control via CAN bus via panel PC**

### Function

The universal IO module AHD USP H PWM can detect up to 8 binary signal transmitters or contacts and provides 6 channels for the output of pulse width modulated signals (PWM). The outputs are split into two groups of 3 channels each, which are protected separately by an internal electronic fuse.

The integrated firmware supports the direct control of colored R-G-B luminous fields, which are used, among other things, for the backlighting of text fields (application on custom bridges).

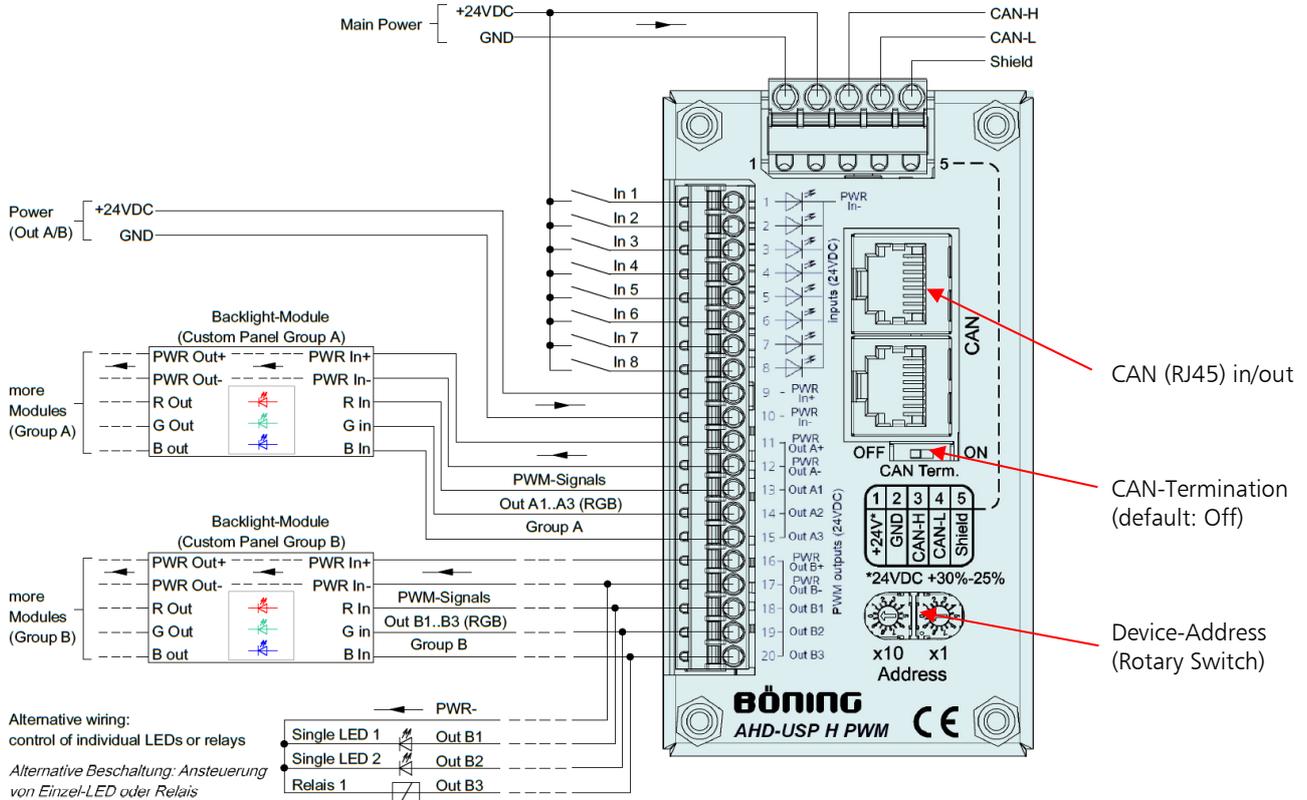
Alternatively, the outputs can also be used for individual LEDs or for controlling relays (without PWM function).

In the device configuration, any channel address within the overall Böning system can be defined to control the respective outputs. Data communication with the Böning SAS system takes place via CAN bus using a Böning-compliant data telegram (SAS protocol).

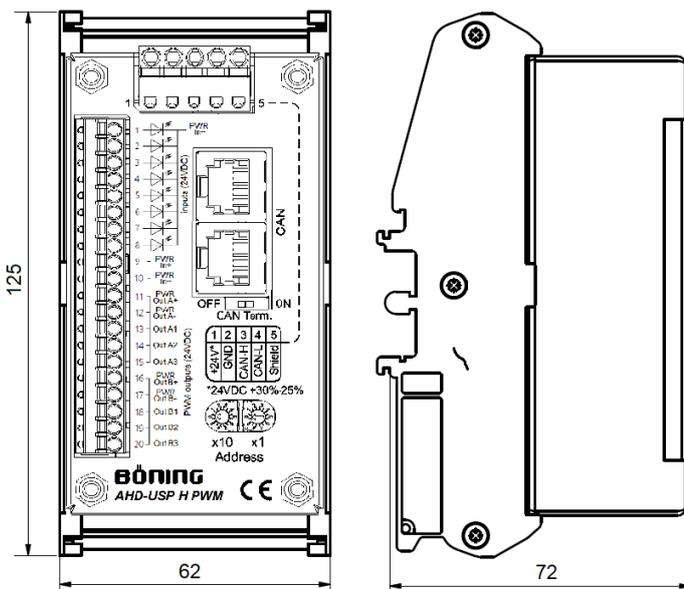
Both the query of the 8 binary inputs and the control of the PWM outputs are usually carried out via operating units or panel PCs, which are part of the overall system.

AHD USP H PWM is installed on standard mounting rails TS 32 or TS 35.

## Schematic example



## Dimensions



## Technical Data

Dimensions	62 mm x 125 mm
Installation depth	72 mm (ggf. plus height RJ45 Plug)
Weight	approx. 350 g
Ambient temperature	-20°C ... +60°C
Storage temperature	-30°C ... +80°C
Protection class	IP 20
Power supply	24 V DC (+30% / -25%)
Current consumption	max. 130 mA (24 V DC)
Interfaces	1 x CAN-Bus: - RJ45 (IN/OUT) - Clamps (alternative use) Bus termination can be activated via switch 8 x optocoupler input (18...32 V DC), potential-free, common return wire 6 x Transistor-Output (max. 0,25A) 2 Groups with electronic Fuse
Installation	Mounting on DIN rail TS 32 oder T 35
Item No.	23647