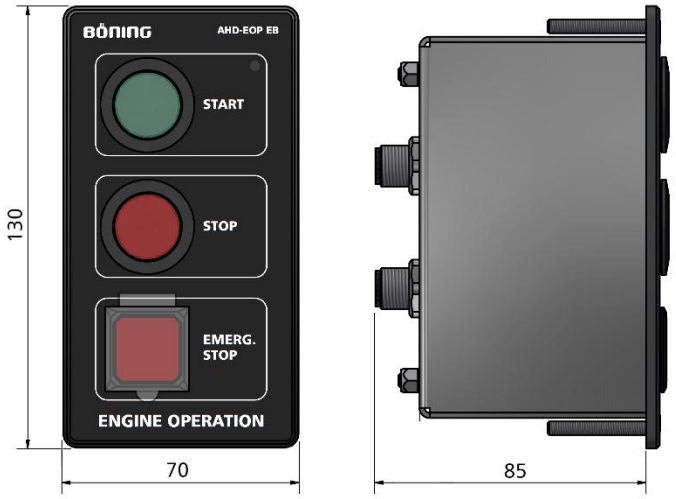
AHD-EOP EB
Starting and Stopping Classified Marine Engines



- ***Control panel for starting and stopping classified marine engines***
- ***Separate Emergency stop button***
- ***Optional wire break detection through the engine system***
- ***Automatically dimmed button illumination, suitable for use on the bridge***
- ***Devices can be cascaded for use at multiple control stations***

Dimensions AHD-EOP EB



Function

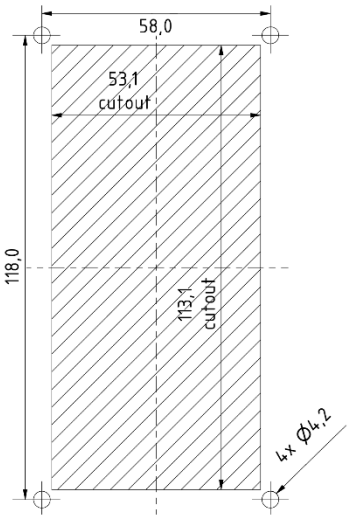
AHD-EOP EB is a compact and functional panel for starting and stopping classified marine engines.

Large illuminated buttons allow the engine to be started and stopped safely. The brightness of the button illumination is automatically adjusted to the environment with a photosensor. The separate emergency stop button generates an additional stop signal, which allows the motor to be stopped even in the event of a system failure. The switch is protected against accidental operation with a cover flap.

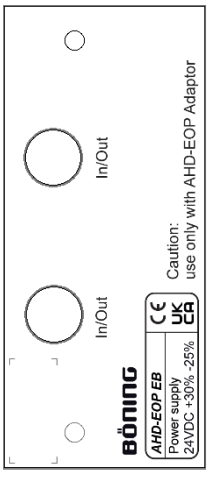
Multiple panels AHD-EOP EB can be easily distributed across the existing control stations to make the function available everywhere. To ensure that the connected engine electronics detect a possible wire break in the emergency stop circuit, the signal chain must be connected to a terminating element at the last available device connection, for example, an 18 kOhm resistor (item no. 11764BS).

Pre-assembled cables (8-pin/M12, pluggable on both ends) and the AHD-EOP adapter (item no. 11823), also developed by Böning, are used to connect to the motor.

Desk Cutout and Drill Holes

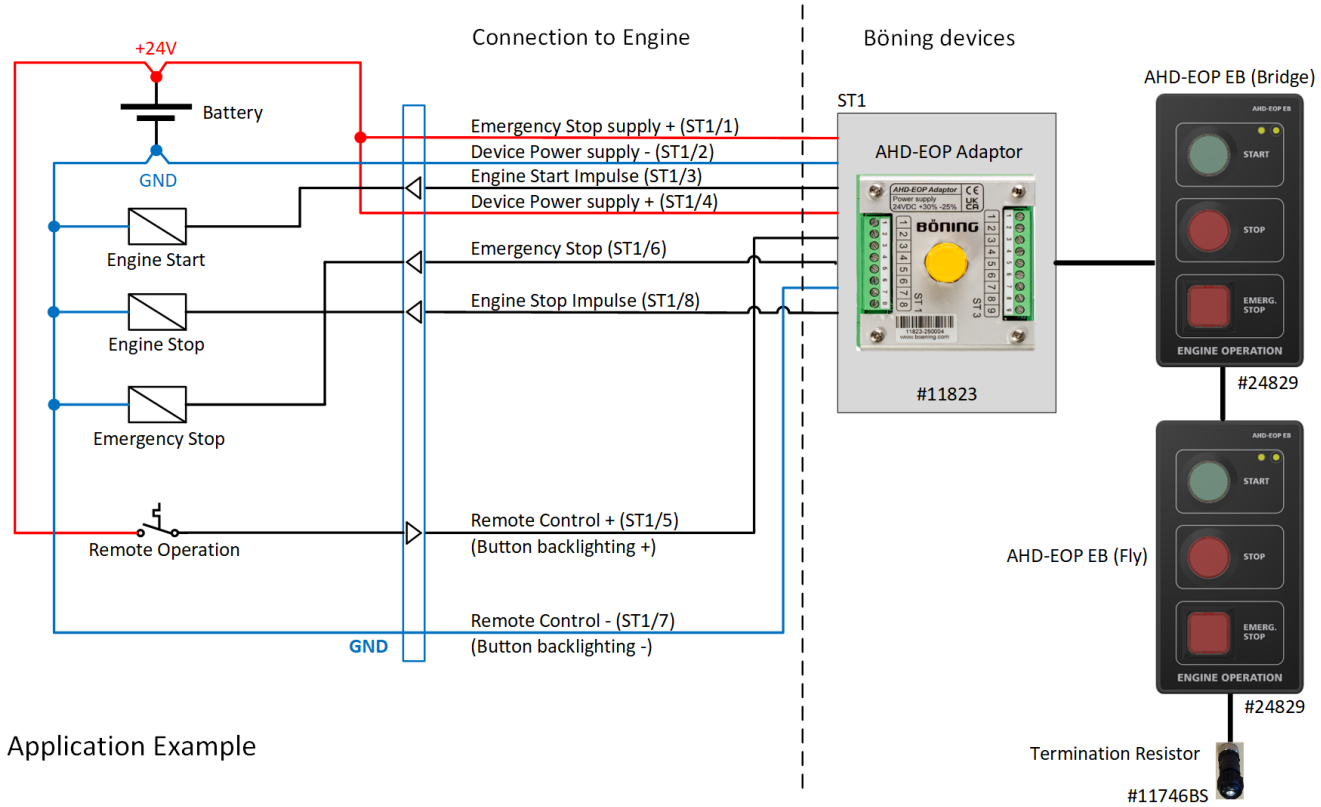


Connections



BÖNING
SHIP AUTOMATION

Diagram



Application Example

Technical Data

AHD-EOP EB

Dimensions W x H x D	70 x 130 x 85 mm, plus 55.0 mm for connection cable
Panel cutout W x H	53.1 x 113.1 mm
Weight	Approx. 0.35 kg
Power supply	24 V DC (+30% -25%)
Current consumption, max.	20 mA (24 V DC)
Operating temperature	-25°C to +70°C
Storage temperature	-50°C … +85°C
IP code	IP56 (front side) IP20 (rear side)
Connections	2 x 8-pin Lumberg M12, for power supply and data
Installation	In consoles and control cabinets
Approvals	In preparation
Item number	24829 AHD-EOP EB BLK (Version with black front)

Termination element

Resistor	18 kOhm (other Values/Types on request)
Connection	8-pin Lumberg M12
Item number	11746BS

AHD-EOP Adapter

Ambient temperature	-10°C...65°C
Storage temperature	-30°C...85°C
Weight	0.25 kg
IP Code	IP20
Connections	1 x 8-pin Lumberg M12 1 x 8-pin terminal block 1 x 9-pin terminal block
Outer dimensions	80 x 85 x 75 mm
Item number	11823

