

AHD-EOP EB

Starting and Stopping Classified MAN Marine Engines



- **Control panel for starting and stopping classified marine engines (e.g. MAN iSea)**
- **Separate emergency stop function with wire break monitoring**
- **Automatically dimmed button illumination, suitable for use on the bridge**
- **Devices can be cascaded for use at multiple control stations**

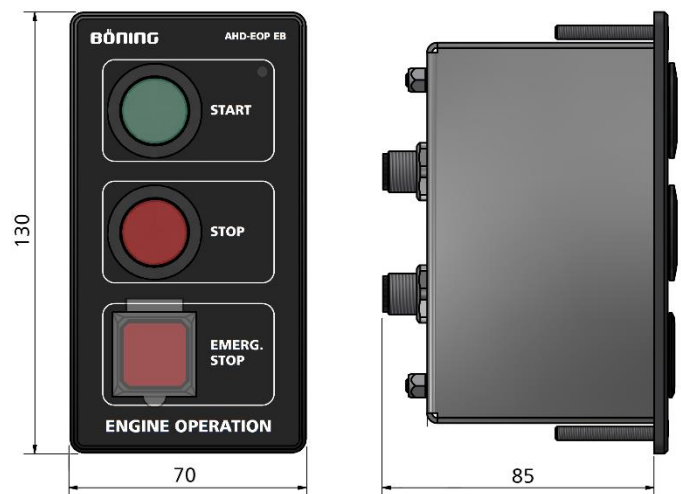
Function

AHD-EOP EB is a compact and functional panel for starting and stopping classified marine engines, for example, MAN engines of the iSea product line.

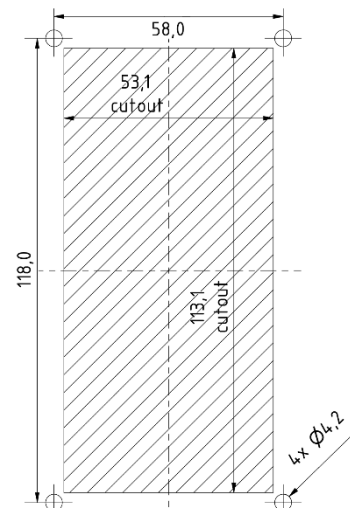
Large illuminated buttons allow the engine to be started and stopped safely. The brightness of the button illumination is automatically adjusted to the environment with a photosensor. The separate emergency stop function stops the engine even in the event of a system failure. The switch is protected 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 connection chain must be terminated with a terminating element, for example, an 18 kOhm resistor, item no. 11764BS. For the connection to the engine ready-made Lumberg cables (8-pin/M12) and an AHD-EOP adapter (item no. 11823) are used.

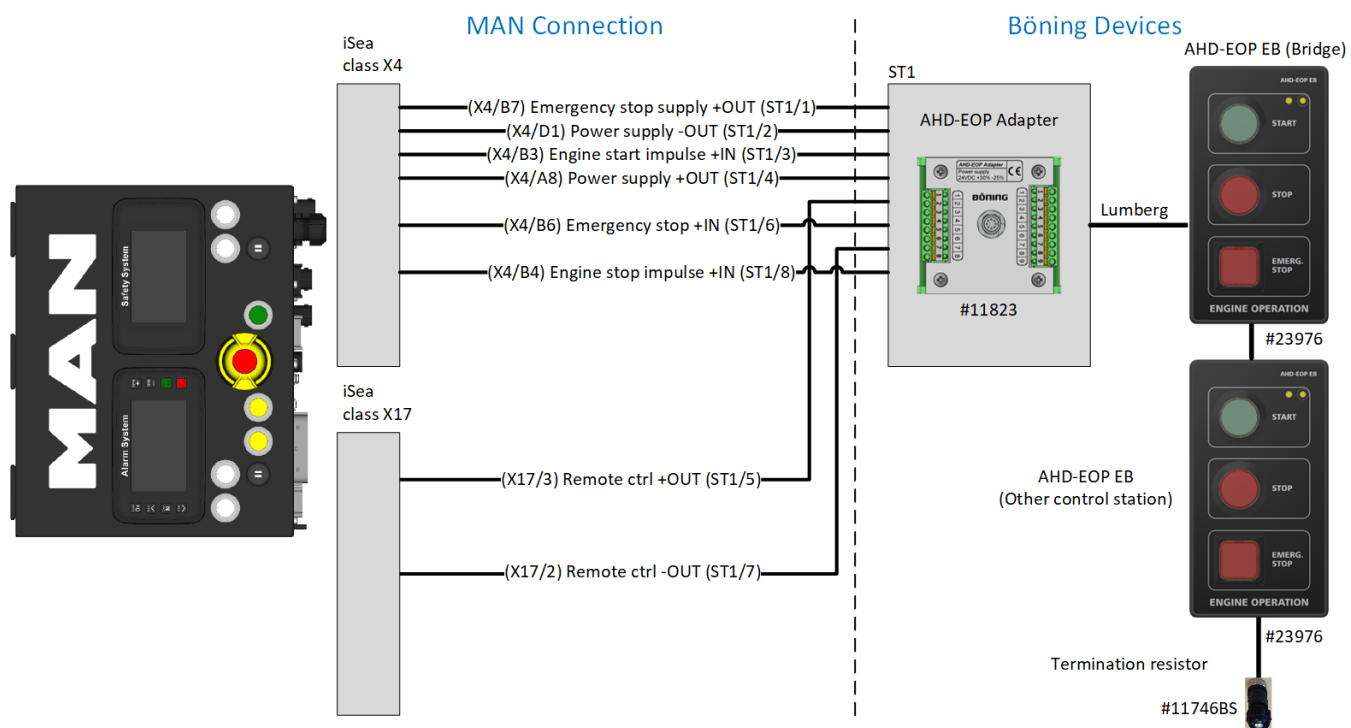
Dimensions AHD-EOP EB



Desk Cutout and Drill Holes



Application Example / Diagram



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
Protection class	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	23976

Termination element for MAN iSea

Resistor	18 kOhm
Connection	8-pin Lumberg M12
Item number	11746BS

AHD-EOP Adapter

Power supply	24 V DC (+30% -25%)
Current consumption	Max. 30 mA
Ambient temperature	-10°C...65°C
Storage temperature	-30°C...85°C
Weight	0.25 kg
Protection class	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

