

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**

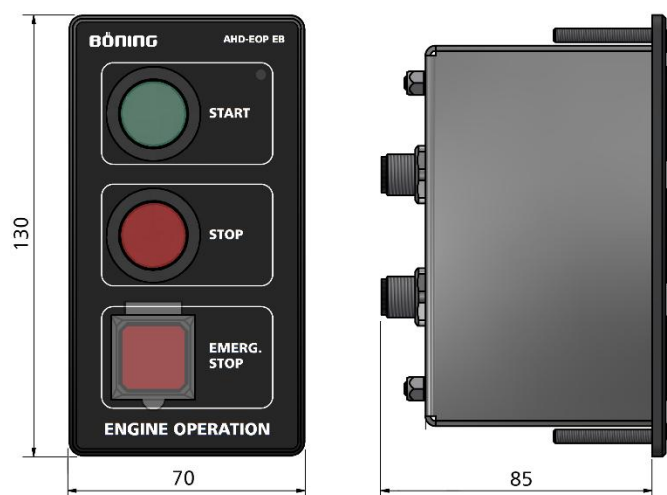
Function

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.

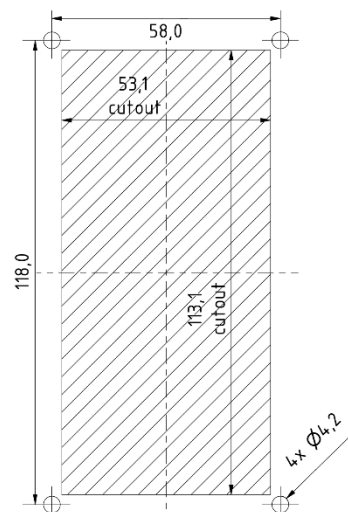
Large illuminated buttons allow the engine to be started and stopped safely. The brightness of the button illumination is automatically adjusted to the environment with a photosensor. The separate emergency stop function stops the engine even in the event of a system failure. The switch is protected 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.

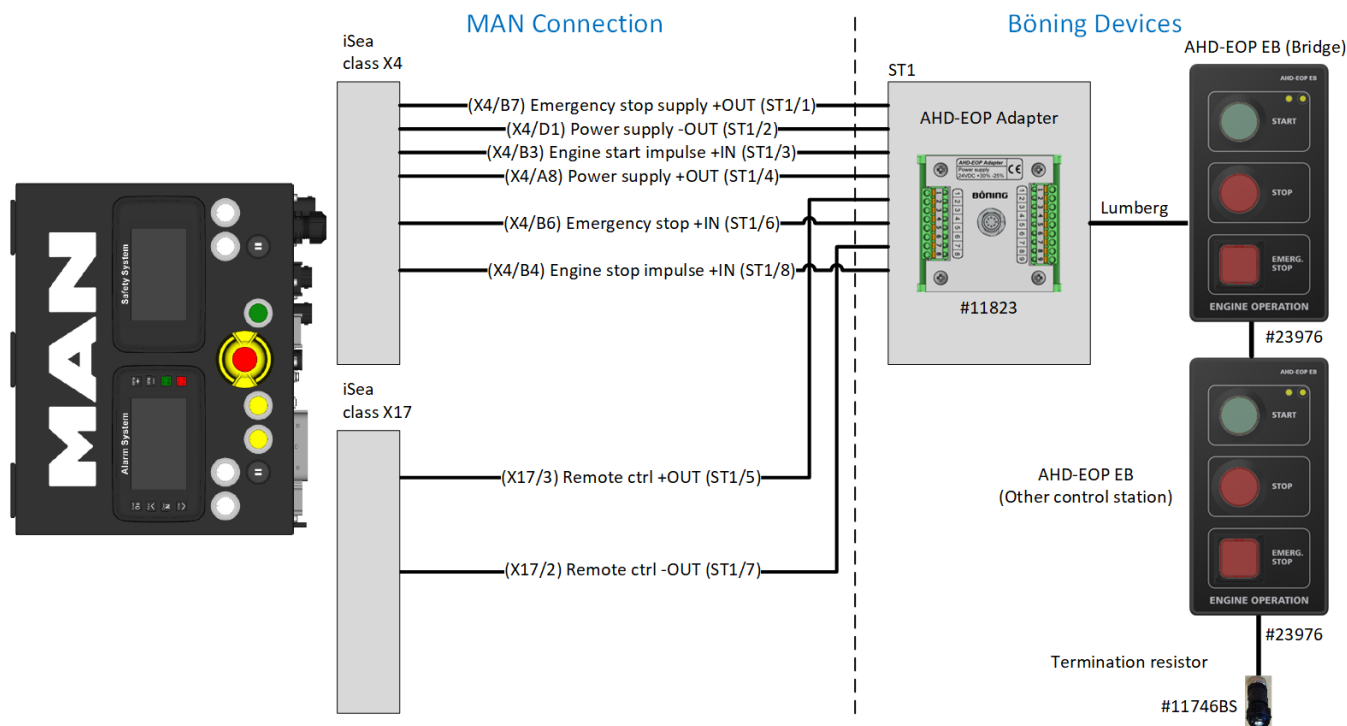
Dimensions AHD-EOP EB



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 | 24829 Type BLK (black front) |

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 |

