

HMIC

MESA 26-1800: Operating Device

The operating device HMIC as part of the train radio system CR26P-1800 is designed for the menu-driven operation of digital and analogue train radio. It fulfils the requirements for the operation on rail-vehicles and it is designed for the console installation in the driver's cabin. With the use of an audio communication device consisting of a handset and a loudspeaker and the cental unit CR26P-1800 the driving crew is able to carry out diverse communication tasks.

The manifold railway specific functions are controlled by the keyboard consisting of 22 hard keys and 4 softkeys. The following functions are realised by the hard keys:

- Emergency call
- Call to Mechanical Controller
- Call to Train Controller
- Brightness control
- Volume control
- Menu key

Operating concept: Funkwerk's operating devices are developed in accordance with the specification as well European standards. They are characterised by its innovative and intuitive ease of use. Except for permanently reachable key functions our MMIs are mainly controlled by soft-keys to facilitate its use and to provide the flexibility for functional adaptations without needed hardware modifications.

The operating device HMIC is only compatible to the train radio system CR26P-1800.



Central unit CR26P-1800

A fixed functional allocation at the same softkeys in the menu levels and an optimal display size allow an easy handling of all operating activities by the train driver.

Hard keys: Keys with fixed functional allocation independent from the current menu level.

Softkeys: The functional allocation of the softkeys is given by the direct and adjacent area of the display and depends on current menu level of the radio system.

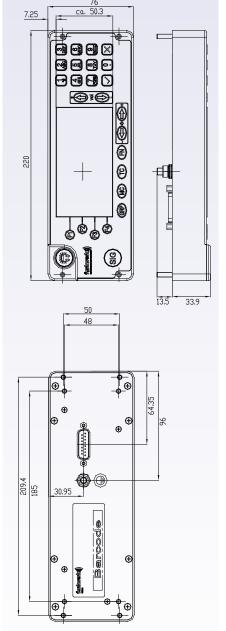


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Technical Specifications

| Electrical Data | |
|-----------------------------|------------------------------------------------|
| Power supply | nominal 24 V _{DC} via CR26P-1800 |
| Max. power consumption | 1,5 A |
| Withstand voltage | 500 V~ (operating voltage against housing) |
| Environmental Conditions | |
| Protection class | front: IP 54 according to DIN EN 60529 |
| | rear side: IP 21 according to DIN EN 60529 |
| Vibration and shocks | according to DIN EN 50155 |
| EMC | according to DIN EN 50121-3-2 and DIN EN 50155 |
| Climatic Conditions | |
| Operating temperature range | -25 °C to +55 °C |
| Storage temperature range | -40 °C to +70 °C (in Originalverpackung) |
| Maximal gradient | ± 1 °C/min of ambient temperature |
| Relative humidity | according to DIN EN 50155 |
| Interface | |
| X1: CR26P-1800 | 15 pole D-Sub |
| Display | |
| Туре | transmissive TFT-colour-LCD |
| Size | 4,3" |
| Resolution | 480 (RGB) x 272 |
| Effective visible range | (96,5 x 50,3) mm |
| Ideal viewing direction | 6 o'clock |

Construction closed housing W x H x D (220 x 76 x 33,9) mm Weight ca. 1 kg



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