

# 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 central 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

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.

**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 softkeys 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

**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 <sub>DC</sub> 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	
Type	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

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

