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

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.

Central unit CR26P-1800

HMIC
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

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