



MESA 26

CRC26-N

The CRC26-N is a terminal unit for the purpose of dual mode train radio, shunting radio and data applications which operates in the GSM-R network. It fulfils the European requirements for use in rail vehicles.

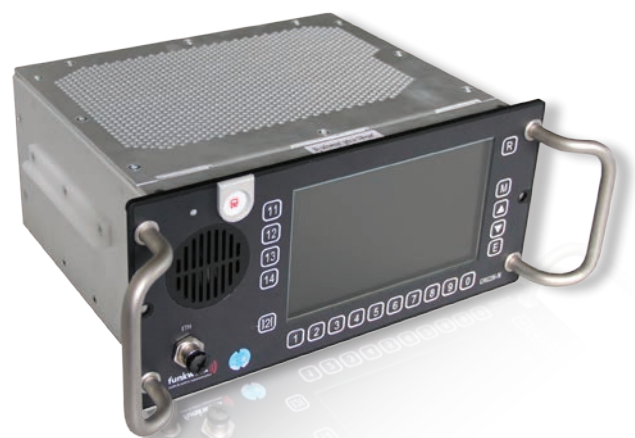
The MESA 26 NSR system has a compact design and fixed equipment. It is designed as a replaceable plug-in. It consists of the digital transmission and receiving unit, the controls, the internal power supply and an specified system connector. Special system connector is located on the rear side, which the device is connected to the vehicle infrastructure. Software, configuration and diagnostic data can be read and/or updated of the CRC26-N via the Ethernet interface.

The terminal unit operates in accordance with GSM 05.05 Phase 2+ and in the extended GSM / GSM-R -frequency range in the following frequencies:

- Transmitting frequency range: 873 to 915 MHz
- Receiving frequency range: 918 to 960 MHz.

Highlights:

- Cab Radio Compact with MMI, Power supply and loudspeaker
- Designed as a replaceable plug-in unit
- Radio module with filter against blocking and interferences
- Standardised interfaces and modules
- Quick and efficient repair
- Lower training requirement for maintenance personnel



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Technical Data

Power Supply		Dimensions+ Weight	
Nominal voltage	24 / 72 / 110 V	Construction	compact closed housing
Input nominal voltage	16.8 to 154 V _{DC}	Width	300 mm
Interruption of voltage supply	S1 (no interruption) according to EN 50155	Height	140 mm
max. power consumption	50 W	Depth	218 mm
typ. Power consumption	35 W	Weight	max 6 kg
Environmental Conditions			
Degree of protection	Front side IP54 / housing IP20 acc. to EN 60529		
Vibrations and shocks	according to 50155 and EN 60068-2-6		
EMC	according to EN 50121-3-2 and EN 50155		
Climatic Conditions			
Operating temperature	-25 °C to +70 °C		
Storage temperature	-40 °C to +85 °C (in original package)		
Max. gradient	±1 °C/min ambient temperature		
Relative humidity	according to EN 50155		
Altitude and pressure fluctuation	- 100 m to 1.800 m above sea level		
Interfaces			
ARINC	Power supply, antenna, handset, drivers key, RS422, DSD, PE conductor		
ETH (round female connector)	Service / Ethernet		
Operating Unit			
Type	transmissive TFT color LCD		
Nominal size	7"		
Effective visible range of display	154 x 93 mm		
Resolution	800 x RGB (W) x 480 (H) dots		
Further			
Fire and smoke protection	hazard level 2 according to DIN EN 45545:2013		
Technology standard	IEEE 802.3 for 100BaseT		