



## Analogue Radio Module for MESA 26 (Protection class IP 54)

# ARM26P/7 and ARM26P/7B

### Highlights:

- universal system architecture
- uniform and standardised interfaces and sub-assemblies
- cost optimised spares inventory
- fast and efficient repair
- minimized training needed by the maintenance personnel

### Components:

The device consists of the functional units:

- 70 cm radio module
- generation of the internal operating voltage
- filtering and screening of the on-board voltage

### Configuration:

The device is available in different voltage variants and the following versions:

ARM26P/7

ARM26P/7B

70 cm band

B - band switching

The analog radio module is suitable for different voltage variants.

# Technical Specification

Power supply		Dimension + Weight	
Input voltage	24 V (36 V / 48 V / 72 V / 110 V with DC/DC converter)	Construction	enclosed housing (IP54)
Tolerances	according to DIN EN 50155	Width	68 TE
Interruption	according to DIN EN 50155, class S1 (no interruption)	Height	3 HE
Maximal power consumption	6 A (at 24 V)	Depth	195 mm
		Weight	max. 8 kg

## Environmental Conditions

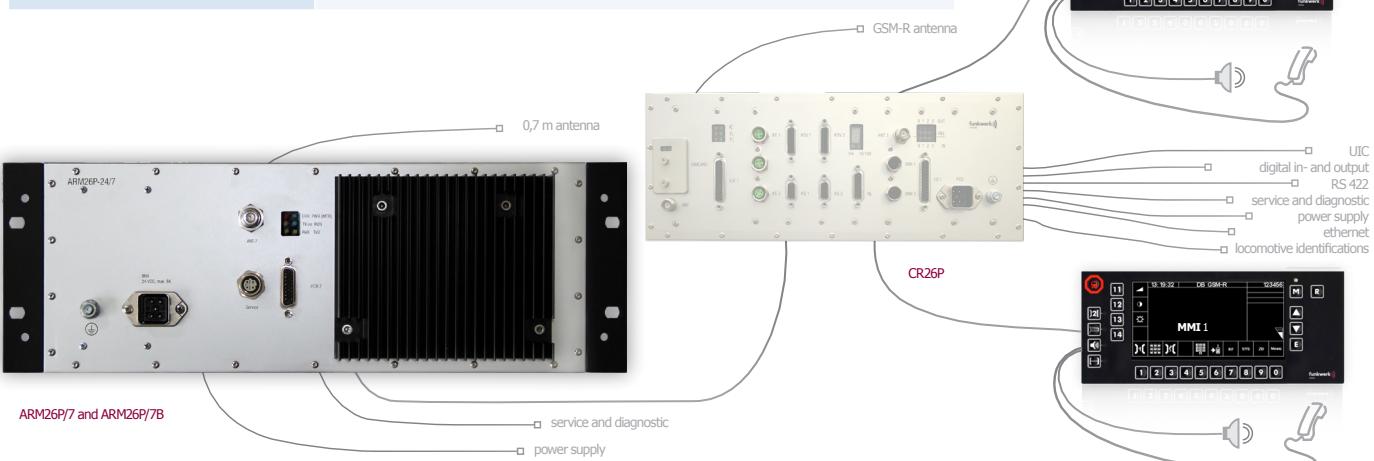
Protection class	IP 54 according to DIN EN 60529
Vibration and shockse	according to DIN EN 50155
EMC	according to DIN EN 50121-3-2 and DIN EN 50155

## Climatic Conditions

Operating temperature range	-25 °C to +70 °C
Storage temperature range	-40 °C to +70 °C (in original package)
Maximal gradient	± 1 °C/min of ambient temperature
Maximal humidity	75 % in annual average
Relative humidity	95 % on max. 30 days per year
Altitude and pressure fluctuation	-100 m to 1800 m above sea level

## HF data 70 cm band

Modulation type	FM
Channel spacing	25 kHz
Transmitter	
Frequency range	Upper band 467,20 MHz to 468,65 MHz Sub band (optional) 457,20 MHz to 458,65 MHz
HF power output	0,5 / 2 / 6 / 8 / 10 W (sw controlled)
HF channel adjustment	by RS422
Receiver	
Frequency range	Duplex- / Scan receiver: 467,20 MHz to 468,65 MHz Simplex receiver: 457,20 MHz to 458,65 MHz
Responsivity	-107 dBm (according to EN 300086-1 version 1.4.1)



Funkwerk Systems GmbH

Im Funkwerk 5 | D-99625 Kölleda

Tel.: +49 (0) 3635/458-0 | Fax: +49 (0) 3635/458-599

info@funkwerk.com | www.funkwerk.com

**funkwerk**