



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

# ARM26P/7 and ARM26P/7B

The ARM26P is an analogue radio module for the Cab Radio MESA 26 with protection class IP54.

It allows the operational communication in analogue radio systems in the frequency bands:

- 70 cm band according to UIC 751-3

### Configuration:

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

ARM26P/7	70 cm band
ARM26P/7B	

B - band switching

### 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

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 (ccording to EN 300086-1 version 1.4.1)		



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