



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

### ARM26P/2

The ARM26P/2 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:

- 2 m (Frequency range 140 ... 174 MHz)

#### Highlights:

- universal system architecture
- uniform and standardised interfaces and sub-assemblies
- 19" plug-in printed circuit board
- cost optimised spares inventory
- fast and efficient repair
- minimized training needed by the maintenance personnel

#### Components:

ARM26P/2 consists of the functional units:

- BFG 2m: analogue radio module for frequency range 2 m
- APP: interface to the central device
- PS S//024(12,12)/3: generation of the device's internal operating voltage

# Technical Specification

Power supply		Dimension + Weight	
Input voltage	24 V / 36 V / 48 V / 72 V / 110 V	Construction	enclosed housing (IP54)
Tolerances	according to DIN EN 50155	Width	195 mm
Interruption	according to DIN EN 50155, class S1 (no interruption)	Height	155 mm
Maximal power consumption	6 A (at 24 V)	Depth	270 mm
<b>Environmental Conditions</b>		Weight	5 kg
Protection class	IP 54 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		
<b>Climatic Conditions</b>			
Operating temperature range	-25 °C to +55 °C (EN 50155 T3)		
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		
<b>HF data</b>		<b>2 m band</b>	
Modulation type	FM or PM (6 dB / oktave)		
Channel spacing	12,5 kHz or 25 kHz		
<b>Transmitter</b>			
Frequency range	140,000 MHz to 174,000 MHz		
HF power output	(1 to 25) W 5 level		
HF channel adjustment	by RS422		
<b>Receiver</b>			
Frequency range	140,000 MHz to 174,000 MHz		
Responsivity	mind. -107 dBm 20 dB SINAD at 1 KHz (by ± 3 kHz Hub) with CCITT-filter		

