

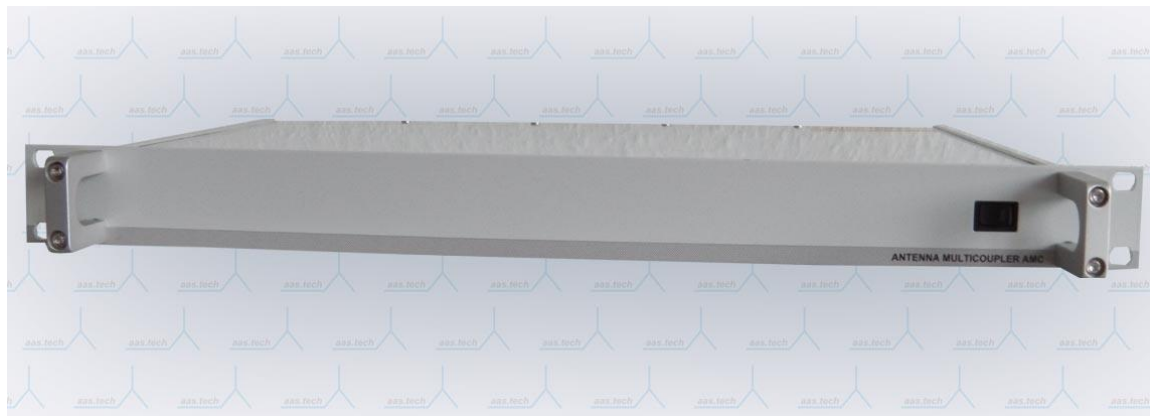
## Product Information

### Antenna Distributor AMC B Series 20 MHz – 3000 MHz

The antenna distributors of the AMC series are a very flexible antenna distribution solution. It is available for various frequency ranges from 10 kHz to 3.6 GHz. The AMC series is furnished into a single 19-inch 1 HU slide-in unit, so its small footprint allows for flexible integration into the application environment.

The AMC B series covers the frequency range from 20 MHz to 3000 MHz.

The AMC receives one antenna signal and distributes it to 4, 8, 12 or 16 outputs. BNC, N or SMA type output connectors are available. Further customer requirements can be considered on request.



## General Data

| Parameter                               | AMC 4                    | AMC 8<br>AMC 12<br>AMC 16 |
|---|--------------------------|---------------------------|
| Dimension slide-in unit (w x h x d)     | 19" 1 u (44 mm) 280 mm   |                           |
| Weight                                  | 3,6 kg                   | 3,9 kg                    |
| Colour of Front Panel                   | RAL 7035 (light grey)    |                           |
| Mains Supply                            | 85 – 264 Vac, 48 - 60 Hz |                           |
| Power Consumption                       | 8 VA                     | 15 VA                     |
| Battery Supply (Option DC)              | 18 – 36 Vdc, max. 0,5 A  |                           |
| Ambient Temperature                     | -10°C ... +60°C          |                           |
| Storage Temperature                     | -50°C ... +80°C          |                           |
| Relative Humidity <small>Note 1</small> | 95%                      |                           |

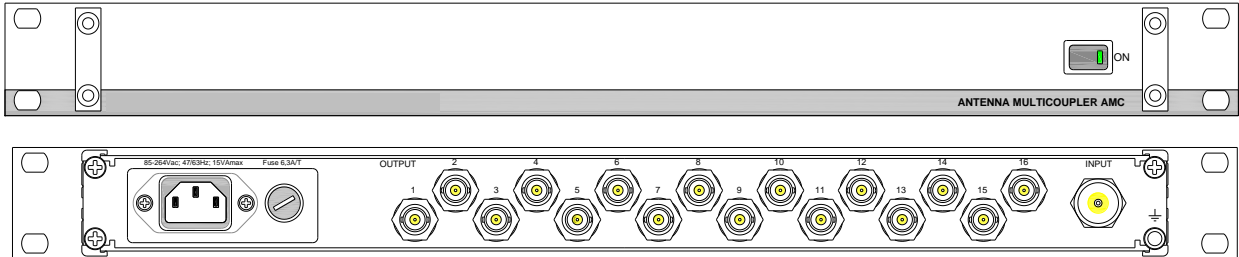
## Technical Data

| Parameter                              | AMC 4   | AMC 8<br>AMC 12<br>AMC 16               |
|--|---|---|
| Vibration                              | IEC 60068-2-6   |   |
| EMC                                    | Interference Immunity EN 61000-6-1<br>Interference Emissions EN 61000-6-3 |   |
| MTBF                                   | > 40.000 h  | > 33.000 h                              |
| MTTR (replacement of subunits)         | 0,5 h   |   |
| Frequency Range                        | 20 - 3000 MHz   |   |
| Number of Antenna Inputs               | 1 N socket  |   |
| Number of Outputs                      | 4   | 8 (AMC 8)<br>12 (AMC 12)<br>16 (AMC 16) |
| Input Impedance                        | 50 Ohm VSWR < 2,0   |   |
| Output Impedance                       | 50 Ohm VSWR < 2,0   |   |
| Gain                                   | 2,0 ± 1,0 dB  | 4,0 ± 2,0 dB                            |
| Noise Figure                           | 7,0 dB  | 9,5 dB                                  |
| Intercept Point IPOP2                  | 39 dBm  | 34 dBm                                  |
| Intercept Point IPOP3                  | 15 dBm  | 8 dBm                                   |
| 1 dB Compression                       | > 6 dBm   |   |
| Maximum Signal Level (continuous wave) | 20 dBm  |   |
| Input Protection (pulse)               | 2 kV 1,2/50 µsec  |   |
| Decoupling between two outputs         | > 18 dB   |   |
| Decoupling between output and input    | > 36 dB   | > 60 dB                                 |

Note 1:  
 Relative humidity valid for the front panel, non-condensing

Data given without tolerance are typical values.  
 Design and specification are subject to change without prior notice, errors excepted.

## Views



Rear view shows version fully equipped with 16 SMA connectors

## Scope of Supply

| Pos. | Description  |
|------|--|
| 1    | Antenna Distributor AMC ...                        |
| 2    | Accessory Set ZS 51                                |
| 3    | USB stick with product documentation in pdf format |

## Accessories

| Type Designation | Part No.     | Description  |
|------------------|--------------|--|
| ZS 51            | 0028.3751.00 | Accessory set consisting of <ul style="list-style-type: none"> <li>- 4 ea. Phillips-head screw M6x14<br/>Part No. G.0008</li> <li>- 2 ea. Fuse 5A/250V/T/5x20mm<br/>Part No. E.0046<br/>NSN 5920-12-140-8333</li> <li>- 1 ea. Power Cord ICE<br/>Part No. KA.0171</li> </ul> |

## Type Designation

| Variant                       | AMC NN C – B   |
|-------------------------------|--|
| NN = Number of Outputs        | <b>NN = 4:</b> 4 outputs<br><b>NN = 8:</b> 8 outputs<br><b>NN = 12:</b> 12 outputs<br><b>NN = 16:</b> 16 outputs |
| C = Type of Output Connectors | <b>C = N:</b> N connectors (max. 8 N connectors)<br><b>C = S:</b> SMA connectors                                 |

## Variants and Order Information

| Type Designation | Part No.<br>NSN                  | Description  |
|------------------|----------------------------------|--|
| AMC 4 N-B        | 0028.6114.00<br>---              | 1 input to 4 N outputs<br>20 MHz – 3000 MHz<br>AC mains power supply               |
| AMC 8 N-B        | 0028.6119.00<br>---              | 1 input to 8 N outputs<br>20 MHz – 3000 MHz<br>AC mains power supply               |
| AMC 8 N-B-DC     | 0028.6137.00<br>5985-12-389-1094 | 1 input to 8 N outputs<br>20 MHz – 3000 MHz<br>Option DC: AC&DC mains power supply |
| AMC 16 S-B       | 0028.6142.00<br>---              | 1 input to 16 SMA outputs<br>20 MHz – 3000 MHz<br>AC mains power supply            |

Other variants are available on request.

## Options

| Option                | AMC NN C – B - Option   |
|-----------------------|---|
| DC Option             | Power Supply with additional DC input 18 – 36 Vdc<br>Power consumption max. 1 A |
| Colour of Front Panel | RAL .... colour code to be specified by customer                                |

Other options are available on request.

## Spare Parts AMC B Series

| Designation         | Type                   | Part No.     | Remark   |
|---------------------|------------------------|--------------|--|
| Wideband Amplifier  | BV B4A                 | 0029.5203.80 | for use with AMC B Series<br>20 MHz – 3000 MHz |
| Power Supply Module | PS H                   | 0008.7475.00 | AC supply                                      |
| Power Supply Module | PS H1                  | 0008.7476.00 | AC supply, Option DC                           |
| Motherboard         | MB AMC                 | 0028.2341.80 |  |
| Fuse                | 5,0 AT/250V<br>5x20 mm | E.0046       |  |