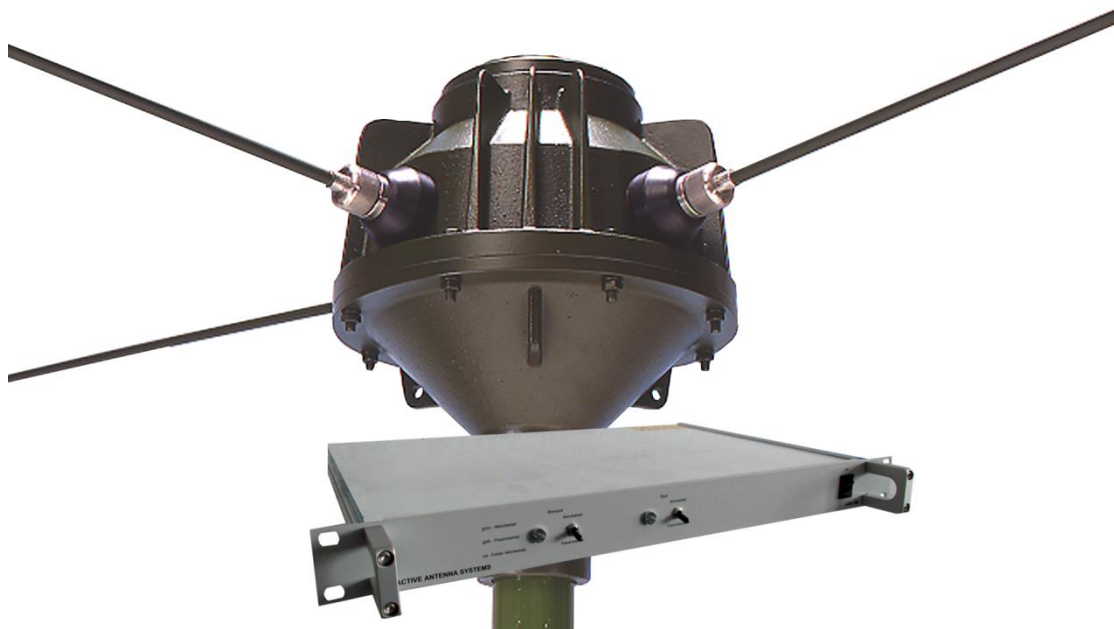


Product Information

Remote Power Supply and Control Unit AAN 300

The Remote Power Supply and Control Unit AAN 300 is applicable for the antenna HD 1 A/P – HA 1 A/P. Both the AAN 300 and the HD 1 A/P – HA 1 A/P form an active/passive receiving antenna system. The AAN 300 provides the remote supply voltage for the active / passive receiving antenna at two rear ports through the coaxial cable.

The active/passive receiving antenna system is operated from the front panel of the control unit.



The Remote Power Supply and Control Unit AAN 300 is designed for integration into 19-inch racks. Its small footprint allows for flexible integration into the application environment. Specific customer requirements can be considered.

Technical Data

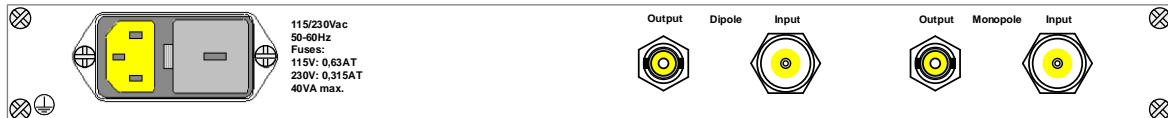
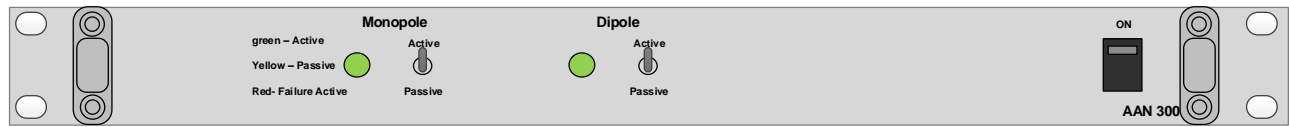
Parameter	Data
Application	power supply and control unit applicable for HD 1 A/P – HA 1 A/P
Dimension (w x h x d)	19" slide-in unit, 1 HU (44mm), 240 mm
Weight	approx. 3 kg
Color	RAL 7035 (light grey)
Ambient temperature	-10°C ... +60°C
Storage temperature	-40°C ... +80°C
Antenna ports	2 N sockets
Receiver ports	2 BNC sockets
Mains operation	115/230 Vac ± 10%, 50-60 Hz
Power consumption	approx. 40 VA
Output voltage at antenna port	37,5 Vdc max. 0,25 A (short-circuit-proof)
Insertion loss (0,1 – 100 MHz)	typ. 0,5 dB
Output Impedance	50 Ohm, VSWR < 1,2

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

Scope of Supply

Pos.	Description
1	Remote Power Supply and Control Unit AAN 300
2	Accessory Set ZS 61
3	USB stick with product documentation in pdf format

Views



Accessories

Type Designation	Part No.	Description
ZS 61	0028.3761.00	Accessory set consisting of <ul style="list-style-type: none"> - 4 ea. Phillips-head screw M6x14 Part No. G.0008 - 2 ea. Fuse 0.315A/250V/T/5X20mm Part No. E.0063 - 2 ea. Fuse 0.630A/250V/T/5X20mm Part No. E.0062 - 1 ea. Power Cord ICE Part No. KA.0171

Variants and Order Information

Type Designation	Part No. NSN	Description
AAN 300	0008.7479.00 ---	Remote Power Supply and Control Unit German lettering

Options

Option	Part No. NSN	Description
RAL Color Code	2061.xxxx.00 ---	Front panel in RAL color according to customer specification
English Lettering	2061.xxxx.00 ---	English lettering on front and rear panel

Spare Parts

Designation	Type	Part No. NSN
Power Supply and Control Subunit	PCB AAN 300	0008.7479.80 ---
Fuse	Fuse 0.630A/250V/T/5X20mm	E.0062 ---
Fuse	Fuse 0.315A/250V/T/5X20mm	E.0063 ---

Associated Products

For integration into the application environment associated products are available.

Designation	Part No. NSN	Description
HD 1 A/P – HA 1 A/P	0005.6635.00 ---	Active/Passive Receiving Antenna System Doc. PIG 010204
RF Coaxial Cable	2078.xxxx.00 ---	Assembled ready-made coaxial cable according to customer specification. Type of connectors and type of cable to be specified by customer.

Compatible Distribution Products

The antenna HD 1 A/P – HA 1 A/P and the remote power supply and control unit AAN 300 form an active / passive receiving antenna system. The following distribution systems match ideally to be fed from this system.

Designation	Part No.	Description
AVA Series	depends on AVA configuration	<p>Antenna Distributor AVA series for the non-blocking switching and distribution of active and passive antenna signals for up to 20 receiver outputs.</p> <p>Frequency range 0.01 – 30 MHz</p> <p>A separate remote power supply is not needed. The aas.tech active antennas can be directly fed from an AVA series distributor.</p> <p>Doc. PIG 020156</p>
AVB Series	depends on AVB configuration	<p>Antenna Distributor AVB series for the non-blocking switching and distribution of active and passive antenna signals for up to 20 receiver outputs.</p> <p>Frequency range 1.5 – 30 MHz</p> <p>A separate remote power supply is not needed. The aas.tech active antennas can be directly fed from an AVB series distributor.</p> <p>Doc. PIG 020160</p>
AVS Series	depends on AVS configuration	<p>Antenna Distribution System AVS series for the non-blocking switching and distribution of active and passive antenna signals for more than 20 receiver outputs</p> <p>Frequency range A: 0.01 – 30 MHz Frequency range B: 1.5 – 30 MHz</p> <p>Depending on the number of connected active antennas a separate remote power supply is needed.</p> <p>Doc. PIG 020200</p>
AMC A Series	depends on AMC configuration	<p>Antenna Distributor AMC series for the distribution of the antenna signal to up to 16 receiver outputs</p> <p>Frequency range 0.01 – 30 MHz</p> <p>A separate remote power supply is not needed. The aas.tech active antennas can be directly fed from an AMC A series distributor.</p> <p>Doc. PIG 020801</p>