

Active VHF Antenna Splitter for VHF Radios and AIS Receivers with additional FM broadcast output „easySplit“

Part No. A026
Manufacturer: Weatherdock AG, Am Weichselgarten 7, 91058 Erlangen, Germany

Topology:	3-way antenna splitter
Ports:	<ul style="list-style-type: none"> - port 1: VHF antenna IN/OUT - port 2: VHF IN/OUT (VHF-Radio) - port 3: AIS OUT (to AIS Receiver) - port 4: FM-Radio OUT
Port sockets:	<ul style="list-style-type: none"> - port 1: SO239 , 50 Ohm - port 2: SO239 , 50 Ohm - port 3: BNC, 50 Ohm - port 4: BNC, isolated, 50 Ohm
Frequency bands and signal transfer:	<p><u>VHF radio operation: port 1 to port 2:</u></p> <ul style="list-style-type: none"> - frequency: 150 to 165 MHz - VHF radio receiving: <ul style="list-style-type: none"> - transfer: > -4dB (> -3.8 dB typical) - VHF radio ON AIR <ul style="list-style-type: none"> - power loss < 1 dB (< 0.8 dB typical) <p><u>AIS operation: port 1 to port 3:</u></p> <ul style="list-style-type: none"> - frequency: 150 to 165 MHz - VHF radio receiving: <ul style="list-style-type: none"> - transfer: > - 4 dB (> - 3.8 dB typical) - VHF radio ON AIR: <ul style="list-style-type: none"> - transfer: < -30 dB (path decoupled) <p><u>FM Radio operation: port 1 to port 4:</u></p> <ul style="list-style-type: none"> - frequency: 88 to 108 MHz - VHF radio receiving: <ul style="list-style-type: none"> - transfer: > -3 dB - VHF radio ON AIR: <ul style="list-style-type: none"> - transfer: < - 30 dB (path decoupled)
Power Handling:	<ul style="list-style-type: none"> - Maximum transmit power: 30W - Minimum transmit power: 400mW
Attack time:	< 10msec (typ. < 7msec), after ramp-up of Transmitter Power

Power supply:	<ul style="list-style-type: none"> - Operating Voltage: + 9 to + 28V - Operating Current: < 65mA - Polarity protection
Fuse:	built-in, self healing fuse, 200mA
power socket/cable:	<ul style="list-style-type: none"> - <u>socket</u>: <ul style="list-style-type: none"> - pin 1: battery plus - pin 2: battery minus - <u>cable</u>: <ul style="list-style-type: none"> - red: battery plus - black: battery minus
User Interface:	<ul style="list-style-type: none"> - LED indicator for Power ON: green - LED indicator for ON AIR: red
Temperature range:	for use under deck, 0°C to 60°C
Mechanical data:	<ul style="list-style-type: none"> - overall size: 165 x 165 x 35 mm - weight: approx. 560gr net, approx. 900gr including packing
Approvals:	<ul style="list-style-type: none"> - CE/EN60945-2002 - FCC CFR47 part 15, sections 15.107 and 15.109 (Class B)

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Sketch:

