Technical Data **Active Antenna Splitter „EASY Split"**
Part No. **5-A-016**
Manufacturer: **Weatherdock AG, Am Weichselgarten 7, 91058 Erlangen, Germany**

Topology: Frequency selective, passive Power Divider with 4 Ports and active Saftey Switches

Ports:
1) VHF Antenna IN/OUT, 50 Ohm, SO239
2) VHF Radio IN/OUT, 50 Ohm, SO239
3) AIS Receiver OUT, 50 Ohm, BNC
4) FM Radio OUT, 50 Ohm, Chinch

Port Coupling Factors:

1 – 2	(VHF-Antenna – VHF-Radio):	145 – 165 MHz
	VHF Radio receiving:	< 3.8dB
	VHF Radio ON AIR:	< 0.8dB
1 – 3	(VHF-Antenna – AIS-Receiver):	145 – 165 MHz
	VHF Radio receiving:	< 3.8dB
	VHF Radio ON AIR:	> 30dB (channel switched off)
1 – 4	(VHF-Antenna – FM Radio):	80 – 108 MHz
	VHF Radio receiving:	< 3dB
	VHF Radio ON AIR:	> 40dB (channel switched off)
2 – 3	(VHF-Radio – AIS-Receiver):	145 – 165 MHz
	VHF Radio receiving:	> 20dB
	VHF Radio ON AIR:	> 30dB (channel switched off)

Power Handling:

Maximum Transmit Power of VHF Radio:	30W
Minimum Transmit Power of VHF Radio:	400mW

Attack Time (Saftey Switches): < 10msec, after Ramp up of Transmitter Power (lower limit: 400mW)

Power Supply: +9 to + 28V @ < 25mA, VHF Radio in receiving mode
@ < 130mA, VHF Radio ON AIR

Fuse: Built-In Fuse, 500mA, slow blow; fuse can be exchanged by opening the enclosure

User Interface: Switch, Power ON/OFF
LED indicator for Power ON: green
LED indicator for VHF Radio ON AIR: red

Connector/Cable: RJ45 type jack, cable included

Pin 1:	not connected, white-orange	Pin 5:	Ground, white-blue
Pin 2:	Ground, orange	Pin 6:	not connected, green
Pin 3:	not connected, white-green	Pin 7:	not connected, white-brown
Pin 4:	Ground, blue	Pin 8:	+9 to + 28V DC IN, brown

Mechanics:
Size (overall): 140 x 140 x 36 mm

Weight: approx. 430g

Miscellenous: PCB conformal coated

Approval: CE, IEC/EN60945 :2002