



Antenna assembly
for MFW, FMK, PVX and MSM devices

For data communication in frequency bands:

- 70 cm
- 35 cm
- GSM

70cm-band aerial



antenna A



antenna C



antenna D

Type	Antennensatz 70A	Antennensatz 70C	Antennensatz 70CS	Antennensatz 70D
Item number	97ZANT70A	97ZANT70C	97ZANT70CS	97ZANT70D
Kind of aerial	omni aerial	dipole aerial	dipole aerial	omni aerial
Frequency range	406 ... 440 MHz	406 ... 470 MHz	406 ... 470 MHz	410 ... 430 MHz
Aerial gain	0 dB	0 dB	0 dB	0 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Mounting	on metal cabinet drilled hole Ø 18 mm	mast mounting mast diameter 20 mm - 63 mm	mast mounting mast diameter 20 mm - 63 mm	on plastic cabinet drilled hole Ø 12 mm
Aerial height	180 mm	330 mm	330 mm	420 mm
Aerial weight	165 g	550 g	550 g	300 g
Type of cable	RG 58	Aircell 7	Aircell 7	Aircell 7
Length of cable	2 m	10 m *	10 m *	5 m *
Lightning protector	no	no	yes	yes
Connection	BNC – plug-in	BNC – angle entry-plug	BNC – angle entry-plug	BNC – angle entry-plug
Comment	for metal cabinets	delivery with light metal duct and pole strap	delivery with light metal duct and pole strap	for plastic cabi- nets (with internal electrical counter- balance)
Preferred for	FMK	FMK	FMK	FMK

* Other lengths of aerial cable on request.

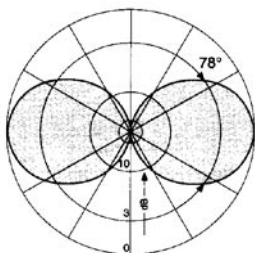
70cm-band omni aerial



Type	Antennensatz 70PAS	Antennensatz 70PAS1
Item number	97ZANT70PAS	97ZANT70PAS1
Frequency range	406 ... 470 MHz	406 ... 470 MHz
Aerial gain	0 dB	0 dB
Impedance	50 Ω	50 Ω
mast diameter minimal maximal	20 mm 54 mm	20 mm 54 mm
Aerial height	510 mm	510 mm
Aerial weight	800 g	800 g
Type of cable	Aircell 7	Aircom Plus
Length of cable	10 m	10 m
Cable attenuation	22 dB / 100 m	12,5 dB / 100 m
Lightning protector	yes	yes
Connection	BNC – angle entry-plug	BNC – angle entry-plug
Comment		special low attenuation of the aerial cable
Preferred for	MFW, FMK, PVK	MFW, FMK, PVX

Other lengths of aerial cable on request.

Field pattern vertical



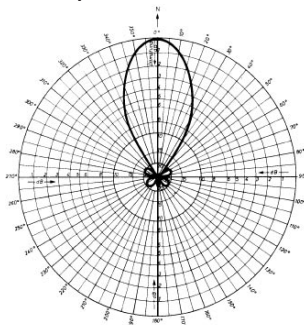
70cm-band beam aerial



Type	Antennensatz 70RS	Antennensatz 70RS1
Item number	97ZANT70RS	97ZANT70RS1
Frequency range	440 ... 470 MHz	440 ... 470 MHz
Aerial gain	10 dB	10 dB
Impedance	50 Ω	50 Ω
mast diameter minimal maximal	20 mm 63 mm	20 mm 63 mm
Aerial height	1,19 m	1,19 m
Aerial weight	820 g	820 g
Type of cable	Aircell 7	Aircom Plus
Length of cable	10 m	10 m
Cable attenuation	22 dB / 100 m	12,5 dB / 100 m
Lightning protector	yes	yes
Connection	BNC – angle entry-plug	BNC – angle entry-plug
Comment		special low attenuation of the aerial cable
Preferred for	MFW, PVX	MFW, PVX

Other lengths of aerial cable on request.

Field pattern vertical



35cm-band omni aerial



Type	Antennensatz 35PBS	Antennensatz 35PBS1
Item number	97ZANT35PBS	97ZANT35PBS1
Frequency range	806 ... 960 MHz	806 ... 960 MHz
Aerial gain	0 dB	0 dB
Impedance	50 Ω	50 Ω
mast diameter minimal maximal	20 mm 54 mm	20 mm 54 mm
Aerial height	348 mm	348 mm
Aerial weight	740 g	740 g
Type of cable	Aircell 7	Aircom Plus
Length of cable	10 m	10 m
Cable attenuation	22 dB / 100 m	12,5 dB / 100 m
Lightning protector	yes	yes
Connection	BNC – angle entry-plug	BNC – angle entry-plug
Comment		special low attenuation of the aerial cable
Preferred for	MFW, PVX	MFW, PVX

Other lengths of aerial cable on request.

GSM - aerial



antenna GA



antenna GB und GBS

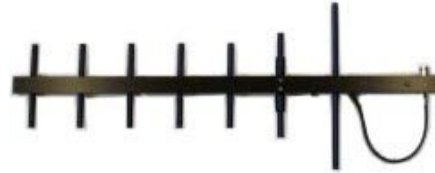
Type	Antennensatz GA	Antennensatz GB	Antennensatz GBS
Item number	97ZANTGA	97ZANTGB	97ZANTGBS
Frequency band	900 / 1800 MHz	900 MHz	900 MHz
Aerial gain	0 dB	0 dB	0 dB
Impedance	50 Ω	50 Ω	50 Ω
Mounting	magnet base	wall mounting with fastening angle	wall mounting with fastening angle
Aerial height	110 mm	620 mm	620 mm
Aerial weight	50 g	400 g	400 g
Type of cable	RG 58	Aircell 7	Aircell 7
Length of cable	2,5 m	10 m *	10 m *
Lightning protector	no	no	yes
Connection	FME-socket	angle entry-plug + adapter BNC- socket/FME- socket	angle entry-plug + adapter BNC- socket/FME- socket
Preferred for	MFW	MFW	MFW

* Other lengths of aerial cable on request.

GSM - aerial



antenna GPCS



antenna GRS

Type	Antennensatz GPCS	Antennensatz GRS
Item number	97ZANTGPCS	97ZANTGRS
Frequency band	900 MHz	900 / 1800 MHz
Gewinn	0 dB	10 dB
Impedance	50 Ω	50 Ω
Mounting	mast mounting mast diameter 20 mm - 54 mm	mast mounting mast diameter 20 mm - 45 mm alternative wall mounting with additional fastening angle
Aerial height	455 mm	600 mm
Aerial weight	740 g	500 g
Type of cable	Aircell 7	Aircell 7
Length of cable	10 m	10 m
Lightning protector	yes	yes
Connection	angle entry-plug + adapter BNC-socket/FME-socket	angle entry-plug + adapter BNC-socket/FME-socket
Preferred for	MFW	MFW

* Other lengths of aerial cable on request.



HOTLINE
+49(0)7191/182-235/-214



INTERNET
www.ees-online.de

EES **Elektra Elektronik GmbH & Co Störcontroller KG**
 Hummelbühl 7-9 • D-71522 Backnang/Germany • P.O. Box 12 40 • D-71502 Backnang
 Phone: +49(0)7191/182-0 • Fax: +49(0)7191/182-200 • e-Mail: info@ees-online.de