



Satellite receiving systems

- **WISI ORBIT TOPLINE Offset antennas**
- **WISI ORBIT TOPLINE Feed holder**
- **WISI ORBIT Offset antennas**
- **WISI ORBIT Feed systems**
- **WISI MULTISYSTEM QUICK, stand alone 5 inputs**
- **WISI MULTISYSTEM QUICK, cascable 5 inputs**
- **WISI MULTISYSTEM QUICK, cascable 9 inputs**
- **WISI MULTISYSTEM QUICK, cascadeable, 17 Inputs**
- **MULTISYSTEM QUICK Accessories**



WISI ORBIT TOPLINE Offset antennas

The parabolic reflector are made of glassfiber reinforced plastic, plus a sealing coat of polyurethane paint. Two colors are available for best blending in with the surroundings.

The antennas are supplied with feed holder.

The hot galvanized mounting bracket is powder-coated in the color of the reflector.

OA 78



OA 78 B



OA 98













OA 98 B



Type	OA 78 Offset antenna	OA 78 B Offset antenna	OA 98 Offset antenna	OA 98 B Offset antenna
Reflector	GRP	GRP	GRP	GRP
Diameter	75 cm	75 cm	90 cm	90 cm
Color	light grey (RAL 7035)	grey brown (RAL 8019)	light grey (RAL 7035)	grey brown (RAL 8019)
Gain (12.0 GHz)	37.5 dB	37.5 dB	39 dB	39 dB
3 dB aperture angle	<2.5 °	<2.5 °	<2 °	<2 °
Setting range, elevation	9-42 °	9-42 °	9-42 °	9-42 °
Fastening clamp	38-80 mm	38-80 mm	38-80 mm	38-80 mm
Wind load up to 20 m	525 N	525 N	745 N	745 N
Figure of merit with LNC = 1.2 dB	16.2 dB/K	16.2 dB/K	17.7 dB/K	17.7 dB/K
Packing unit	1 piece, 115 dm ³ , 10 kg	1 piece, 115 dm ³ , 10 kg	1 piece, 180 dm ³ , 15 kg	1 piece, 180 dm ³ , 15 kg

WISI ORBIT TOPLINE Feed holder

Simple extension of an individual feed system.
Snap in technique allows to replace the single feed holder by a dual feed. The dual feed holder is suitable for reception of satellites with 6° orbital distance e.g. ASTRA and EUTELSAT/HOTBIRD.

	OF 10	Single feed holder, Ø 40 mm
		for Offset antenna OA 78, OA 98
		Packing unit
		Color light grey (RAL 7035)
	OF 10 B	Single feed holder, Ø 40 mm
		for Offset antenna OA 78 B, OA 98 B
		Packing unit
		Color grey brown (RAL 8019)
	OF 70	DUO-Feed-Adapter
		for Offset antenna OA 78
		Feed system 2x OC02-04 + 1x OF 10
		Color light grey (RAL 7035)
		Packing unit 5 pieces, 4.2 dm³, 1.04 kg
	OF 70 B	DUO-Feed-Adapter
		for Offset antenna OA 78 B/C
		Feed system 2x OC02-04B + 1x OF 10B
		Color grey brown (RAL 8019)
		Packing unit 5 pieces, 4.2 dm³, 1.04 kg
	OF 90	DUO-Feed-Adapter
		for Offset antenna OA 98
		Feed system 2x OC02-04 + 1x OF 10
		Color light grey (RAL 7035)
		Packing unit 5 pieces, 4.2 dm³, 1.04 kg
	OF 90 B	DUO-Feed-Adapter
		for Offset antenna OA 98 B/C
		Feed system 2x OC02-04B + 1x OF 10B
		Color grey brown (RAL 8019)
		Packing unit 5 pieces, 4.2 dm³, 1.04 kg
	OX 78	Retrofit feed rood
		for TOPLINE antennas 75 cm
		Color light grey (RAL 7035)
	OX 78 B	Retrofit feed rood
		for TOPLINE antennas 75 cm
		Color grey brown (RAL 8019)
	OX 98	Retrofit feed rood
		for TOPLINE antennas 95 cm
		Color light grey (RAL 7035)
	OX 98 B	Retrofit feed rood
		for TOPLINE antennas 95 cm
		Color grey brown (RAL 8019)



WISI ORBIT Offset antennas

Offset antennas aluminium reflector painted light grey, graphit grey or red brown, hot-galvanized mast bracket, feed bracket 40 mm.
For antenna mast or wall bracket mounting.

OA 10



OA 36 G



OA 36 H



OA 36 I



Type	OA 10 Offset antenna	OA 36 G Offset antenna	OA 36 H Offset antenna	OA 36 I Offset antenna
Reflector	Aluminium	Aluminium	Aluminium	Aluminium
Diameter	100 cm	60 cm	60 cm	60 cm
Color	light grey (RAL 7035)	light grey (RAL 7035)	graphit grey (RAL 7024)	red brown (RAL 8012)
Gain	38-40 dB	35 dB	35 dB	35 dB
3 dB aperture angle	< 1.8 °	3.0 °	3.0 °	3.0 °
Setting range, elevation	15-55 °	16-50 °	16-50 °	16-50 °
Tightening range of the mast bracket	32-80 mm	32-60 mm	32-60 mm	32-60 mm
Wind load up to 20 m mounting height	872 N	280 N	280 N	280 N
Packing unit	1 piece, 143 dm ³ , 12.6 kg	1 piece, 75 dm ³ , 3.4 kg	1 piece, 75 dm ³ , 3.4 kg	1 piece, 75 dm ³ , 3.4 kg

WISI ORBIT Offset antennas

Offset antennas aluminium reflector painted light grey, graphit grey or red brown, hot-galvanized mast bracket, feed bracket 40 mm.
For antenna mast or wall bracket mounting.

OA 38 G



OA 38 H



OA 38 I



Type	OA 38 G Offset antenna	OA 38 H Offset antenna	OA 38 I Offset antenna
Reflector	Aluminium	Aluminium	Aluminium
Diameter	80 cm	80 cm	80 cm
Color	light grey (RAL 7035)	graphit grey (RAL 7024)	red brown (RAL 8012)
Gain	37 dB	37 dB	37 dB
3 dB aperture angle	2.5 °	2.5 °	2.5 °
Setting range, elevation	16-50 °	16-50 °	16-50 °
Tightening range of the mast bracket	32-60 mm	32-60 mm	32-60 mm
Wind load up to 20 m mounting height	525 N	525 N	525 N
Packing unit	1 piece, 115 dm ³ , 6.0 kg	1 piece, 115 dm ³ , 6.0 kg	1 piece, 115 dm ³ , 6.0 kg



WISI ORBIT Feed systems



OC 01
OC 01 B



OC 02
OC 02 B



OC 04
OC 04 B



OC 06
OC 06 B

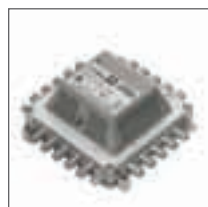


Type	OC 01 OC 01 B Feed system	OC 02 OC 02 B Feed system	OC 04 OC 04 B Feed system	OC 06 OC 06 B Feed system
No. of user	1	2	4-32	4, incl Multiswitch
Circuit design	SINGLE	TWIN	QUADRO	QUAD-SWITCH
Input frequency	10.7-11.70 GHz 11.7-12.75 GHz	10.7-11.70 GHz 11.7-12.75 GHz	10.7-11.70 GHz 11.7-12.75 GHz	10.7-11.70 GHz 11.7-12.75 GHz
L.O. frequency	9.75/10.6 GHz	9.75/10.6 GHz	9.75/10.6 GHz	9.75/10.6 GHz
Noise factor	0.3 dB	0.3 dB	0.3 dB	0.3 dB
Output frequency	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
LNB supply voltage V/H	11-14.2/15.5-21 VDC 22 kHz	11-14.2/15.5-21 VDC 22 kHz	11-14.2/15.5-21 VDC 22 kHz	11-14.2/15.5-21 VDC 22 kHz
Current consumption	110 mA	110 mA	110 mA	110 mA
Packing unit	1 piece, 2.3 dm ³ , 0.38 kg	1 piece, 2.3 dm ³ , 0.38 kg	1 piece, 2.3 dm ³ , 0.38 kg	1 piece, 2.3 dm ³ , 0.38 kg
Shipping package	5 pieces, 14 dm ³ , 1.5 kg	5 pieces, 14 dm ³ , 1.5 kg	5 pieces, 14 dm ³ , 1.5 kg	5 pieces, 14 dm ³ , 1.5 kg
Color	OC 01 light grey (RAL 7035) OC 01 B grey brown (RAL 8019)	OC 02 light grey (RAL 7035) OC 02 B grey brown (RAL 8019)	OC 04 light grey (RAL 7035) OC 04 B grey brown (RAL 8019)	OC 06 light grey (RAL 7035) OC 06 B grey brown (RAL 8019)

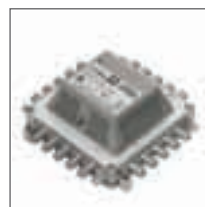
WISI MULTISYSTEM QUICK, stand alone 5 inputs

EMC acc. to CE, Class A

DY 56 A



DY 58 A



Type	DY 56 A Multiswitch, Stand Alone	DY 58 A Multiswitch, Stand Alone
Inputs SAT + TERR	4 + 1	4 + 1
Frequency range TERR	5-862 MHz	5-862 MHz
Frequency range SAT	950-2400 MHz	950-2400 MHz
Subscriber outputs	6	8
Frequency range	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	22/9 dB	22/9 dB
Isolation TERR/SAT Subscriber-Subscriber	>42/>30 dB	>42/>30 dB
Control signal	13/18 V; 22 kHz	13/18 V; 22 kHz
Operating voltage	230 VAC, 50/60 Hz	230 VAC, 50/60 Hz
Power consumption	8.5 W	8,5 W
LNB supply voltage/ current	14VDC/350 mA	14VDC/350 mA
Dimensions	140x140x58 mm	140x140x58 mm
Packing unit	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 15 dm ³ , 4 kg	5 pieces, 15 dm ³ , 4 kg



WISI MULTISYSTEM QUICK, cascadable 5 inputs



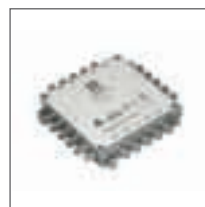
EMC acc. to CE, Class A

DY 12

DY 16

DY 44 A

DY 46 A



Type	DY 12 Multiswitch, Stand Alone & cascadable	DY 16 Multiswitch, Stand Alone & cascadable	DY 44 A Multiswitch, cascadable	DY 46 A Multiswitch, cascadable
Trunk	Trunk	Trunk	Trunk	Trunk
Inputs SAT + TERR	4 + 1	4 + 1	4 + 1	4 + 1
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	-	-	-
Output level TERR, 3rd ord. EN 50083-3	-	-	-	-
Thru loss TERR	8.5 dB	11 dB	5.5 dB	5.5 dB
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT	12 dB	12 dB	-	-
Output level SAT, 3rd ord. EN 50083-3	103 dB μ V 35 dB IMA	103 dB μ V 35 dB IMA	-	-
Thru loss SAT	-	-	1.3-3.4 dB	1.3-3.4 dB
Cascadable with	DY44A-48A	DY44A-48A	DY44A-48A/ DY54B-58B/ DY12,16/DY50A	DY44A-48A/ DY54B-58B/ DY12,16/DY50A
Subscriber outputs	12	16	4	6
Frequency range	5-2400 MHz	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	22/0 dB	22/0 dB	22/21-16 dB (5 dB slope)	22/21-16 dB (5 dB slope)
Isolation Subsc.-Subsc. TERR/SAT	>42/>30 dB	>42/>30 dB	>42/>30 dB	>42/>30 dB
Control signal	13/18 V, 22 kHz	13/18 V, 22 kHz	13/18 V, 22 kHz	13/18 V, 22 kHz
Operating voltage	230 VAC,50/60 Hz	230 VAC,50/60 Hz	-	-
Power / current consumption	9.5 W/150 mA	9,5 W/150 mA	-	-
LNB supply voltage	14 VDC/350 mA	14 VDC /350 mA	-	-
Dimensions	210x140x55 mm	210x140x55 mm	140x140x27 mm	140x140x27 mm
Packing unit	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg

WISI MULTISYSTEM QUICK, cascadable 5 inputs

EMC acc. to CE, Class A

DY 48 A



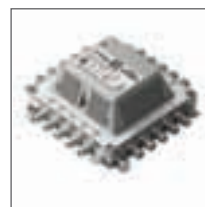
DY 54 B



DY 56 B



DY 58 B



Type	DY 48 A Multiswitch, cascadable	DY 54 B Multiswitch, Stand Alone & cascadable	DY 56 B Multiswitch, Stand Alone & cascadable	DY 58 B Multiswitch, Stand Alone & cascadable
Trunk	Trunk	Trunk	Trunk	Trunk
Inputs SAT + TERR	4 + 1	4 + 1	4 + 1	4 + 1
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	14 dB	14 dB	14 dB
Output level TERR, 3rd ord. EN 50083-3	-	105 dB μ V 60 dB IMA	105 dB μ V 60 dB IMA	105 dB μ V 60 dB IMA
Thru loss TERR	5.5 dB	-	-	-
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT	-	15 dB	15 dB	15 dB
Output level SAT, 3rd ord. EN 50083-3	-	105 dB μ V 35 dB IMA	105 dB μ V 35 dB IMA	105 dB μ V 35 dB IMA
Thru loss SAT	1.3-3.4 dB	-	-	-
Cascadable with	DY44A-48A/ DY54B-58B/ DY12,16/DY50A	DY44A-48A	DY44A-48A	DY44A-48A
Subscriber outputs	8	4	6	8
Frequency range	5-2400 MHz	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	22/21-16 dB (5 dB slope)	2/0 dB	2/0 dB	2/0 dB
Isolation Subsc.-Subsc. TERR/SAT	>42/>30 dB	>42/>30 dB	>42/>30 dB	>42/>30 dB
Control signal	13/18 V, 22 kHz	13/18 V, 22 kHz	13/18 V, 22 kHz	13/18 V, 22 kHz
Operating voltage	-	230 VAC,50/60 Hz	230 VAC,50/60 Hz	230 VAC,50/60 Hz
Power / current consumption	-	9,5 W/210 mA	9.5 W/210 mA	9.5 W/210 mA
LNB supply voltage	-	14 VDC / 290 mA	14 VDC/290 mA	14 VDC/290 mA
Dimensions	140x140x27 mm	140x140x58 mm	140x140x58 mm	140x140x58 mm
Packing unit	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg

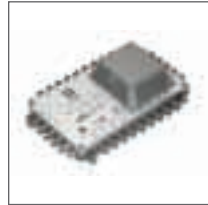


WISI MULTISYSTEM QUICK, cascadable 9 inputs

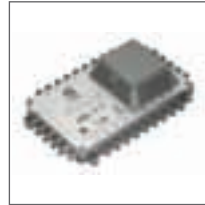


* Switches can be addressed with 14/18 V, 22 kHz
but only 4 inputs can be controlled
EMC acc. to CE, Class A

DY 04



DY 06



DY 08



Type	DY 04 Multiswitch, Stand Alone & cascadable	DY 06 Multiswitch, Stand Alone & cascadable	DY 08 Multiswitch, Stand Alone & cascadable
Trunk	Trunk	Trunk	Trunk
Inputs SAT + TERR	8 + 1	8 + 1	8 + 1
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	-	-
Output level TERR 3rd ord. EN 50083-3	-	-	-
Thru loss TERR:	6 dB	6 dB	6 dB
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT	15 dB	15 dB	15 dB
Output level SAT 3rd ord. EN 50083-3	111 dB μ V 35 dB IMA	111 dB μ V 35 dB IMA	111 dB μ V 35 dB IMA
Thru loss SAT	-	-	-
Cascadable with	DY94A-98A	DY94A-98A	DY94A-98A
Subscriber outputs	4	6	8
Frequency range	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	22/0 dB	22/0 dB	22/0 dB
Isolation Subsc.-Subsc. TERR/SAT	>42/>30 dB	>42/30 dB	>42/>30 dB
Control signal	DiSEqC 2.0 *	DiSEqC 2.0 *	DiSEqC 2.0 *
Operating voltage	230 VAC,50/60 Hz	230 VAC,50/60 Hz	230 VAC,50/60 Hz
Power / current consumption	17.5 W/300 mA	17.5 W/300 mA	17.5 W/300 mA
LNB supply voltage	14 VDC/700 mA	14 VDC/700 mA	14 VDC/700 mA
Dimensions	210x140x55 mm	210x140x55 mm	210x140x55 mm
Packing unit	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg
Shipping package	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg

WISI MULTISYSTEM QUICK, cascadable 9 inputs

* Switches can be addressed with 14/18 V, 22 kHz
but only 4 inputs can be controlled
EMC acc. to CE, Class A

DY 94 A



DY 96 A



DY 98 A



Type	DY 94 A Multiswitch, cascadable	DY 96 A Multiswitch, cascadable	DY 98 A Multiswitch, cascadable
Trunk	Trunk	Trunk	Trunk
Inputs SAT + TERR	8 + 1	8 + 1	8 + 1
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	-	-
Output level TERR 3rd ord. EN 50083-3	-	-	-
Thru loss TERR:	5.5 dB	5.5 dB	5.5 dB
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT	-	-	-
Output level SAT 3rd ord. EN 50083-3	-	-	-
Thru loss SAT	1.3-3.4 dB	1.3-3.4 dB	1.3-3.4 dB
Cascadable with	DY94A-98A/ DY04-08/ DY90	DY94A-98A/ DY04-08/ DY90	DY94A-98A/ DY04-08/ DY90
Subscriber outputs	4	6	8
Frequency range	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	21/21-16 dB (5 dB slope)	21/21-16 dB (5 dB slope)	21/21-16 dB (5 dB slope)
Isolation Subsc.-Subsc. TERR/SAT	>42/>30 dB	>42/>30 dB	>42/>30 dB
Control signal	DiSEqC 2.0 *	DiSEqC 2.0 *	DiSEqC 2.0 *
Operating voltage	-	-	-
Power / current consumption	-	-	-
LNB supply voltage	-	-	-
Dimensions	210x140x27 mm	210x140x27 mm	210x140x27 mm
Packing unit	1 piece, 1.13 dm ³ , 0.72 kg	1 piece, 1.13 dm ³ , 0.72 kg	1 piece, 1.13 dm ³ , 0.72 kg
Shipping package	5 pieces, 6.05 dm ³ , 3.9 kg	5 pieces, 6.05 dm ³ , 3.9 kg	5 pieces, 6.05 dm ³ , 3.9 kg



WISI MULTISYSTEM QUICK, cascadeable, 17 Inputs

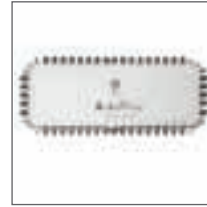


Connection of up to four Offset antennas with QUADRO LNB
 16 SAT-IF and 1 TERR. Input
 Broadband return path
 Connectors: F-type
 Accessories DV 24/25, DV 49

DY 25



DY 26



Type	DY 25 Multiswitch, Stand Alone & Cascade	DY 26 Multiswitch, cascadeable
Trunk	Trunk	Trunk
Inputs SAT + TERR	16 + 1	16+1
Frequency range TERR	5-862 MHz	5-862 MHz
Gain TERR Output level TERR,	-/ -	-/ -
Thru loss TERR	4-5.5 dB	4-5.5 dB
Frequency range SAT	950-2400 MHz	950-2400 MHz
Input level adjustment SAT	0-12 dB	-
Gain SAT	15 dB	-
Output level SAT 3rd ord. EN 50083-3	105 dB μ V 35 dB IMA	-
Thru loss SAT	-	1.2-3.5 dB
Cascadeable with	DY 26	DY 25, 26
Subscriber outputs	8	8
Frequency range	5-2400 MHz	5-2400 MHz
Side loss TERR/SAT	22/0 dB	22/21-16 dB (5 dB slope)
Isolation Subsc.-Subsc. TERR/SAT	>42/>30 dB	>42/>30 dB
Control signal	DiSEqC 2.0	DiSEqC 2.0
Operating voltage	230 VAC, 50/60 Hz	-
Power / current consumption	21 W / 250 mA	-
LNB supply voltage	14 VDC / 1.2 A	-
Dimensions	359x140x58 mm	330x140x28 mm
Packing unit	1 piece, 2.9 dm ³ 1.8 kg	1 piece, 1.3 dm ³ 1.4 kg
Shipping package	-	-

MULTISYSTEM QUICK Accessories

DV 24



F-Terminating resistor

Packing unit	10 pcs. / bag	0,2 dm ³	0,03 kg
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DV 25



F-Terminating resistor

with DC-Isolation

Packing unit	10 pieces, in bag	0.25 dm ³	0.05 kg
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DV 49 A



F-connector F-Fix/F-Quick

Packing unit	10 pieces, in bag	0.25 dm ³	0.10 kg
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DY 20



DiSEqC-switch

Selection of two SAT IF layers

Packing unit	1 piece, bag
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Shipping package	100 pieces, 13,44 dm ³ , 7.5 kg
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DY 50 A



SAT amplifier

- 4 SAT inputs and outputs + 1 TERR. input and output
- Input: 0-15 dB attenuator at SAT / TERR
- Return path: 0-10 dB attenuator
- High screening, Class A
- Stand-by function
- Return path and IRS (Integrated Reception System)

Specifications

Frequency range	TERR	85-862 MHz
Gain	TERR	15-22 dB
Output level 3rd order EN 50083-3	TERR	115 dB μ V
Attenuator	TERR	0-15 dB
Frequency range return path	TERR	5-65 MHz
Gain	TERR	8-9 dB
Attenuator	TERR	0-10 dB
Frequency range	SAT	950-2400 MHz
Gain	SAT	16-23 dB
Output level 3rd order EN 50083-3	SAT	115 dB μ V
Noise	SAT	11-4 dB
Attenuator	SAT	0-15 dB
Isolation trunk	SAT	27 dB min./38 dB typ.
Power supply		external or via trunk
Current consumption 13/14 VDC		370 mA
Housing, cover		Zinc die-cast
Dimensions incl. F-conn.		140x140x27 mm
Packing unit	1 piece	1 dm ³
Shipping package	10 pieces	10 dm ³ , 6 kg
EMC		CE, Class A
Accessory		Plug-in power supply unit DY 55

DY 55



High Power-Plug-in power supply unit

Mains voltage	230 VAC, 50/60 Hz	
Output voltage	13 VDC	
Output current	1.6 A	short-circuit protected
Packing unit	1 piece, 1.5 dm ³ , 0.35 kg	

