

PRODUCT RANGE 10





The amplifier for head end stations and large cascade systems

KR 9-9 BNV-A - constant level !

Most operation reliability by automatic level control and 2 power supplies with mutual fuse.

The optimal source feed for large distribution grids with up to 1000 subscribers.

Technical data

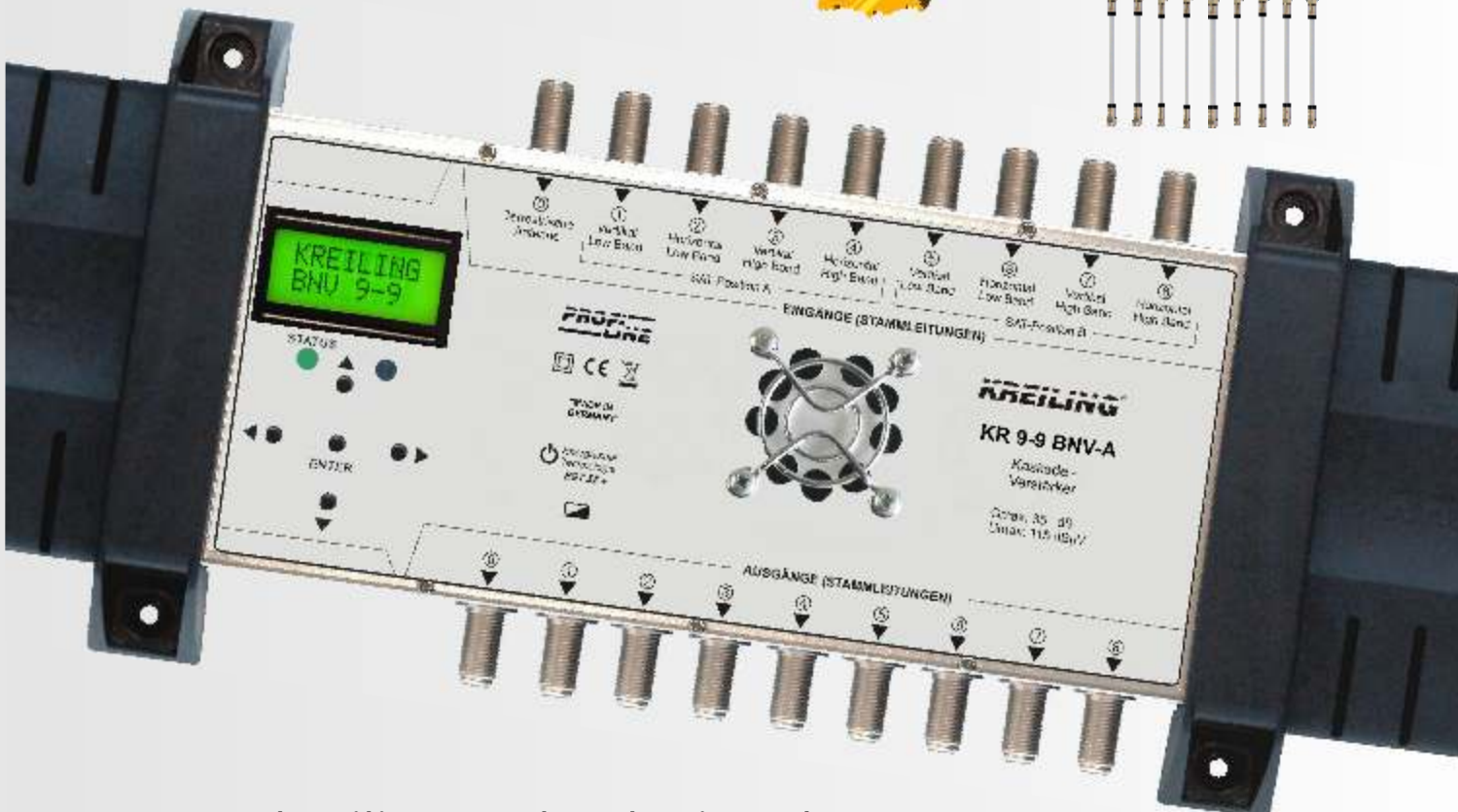
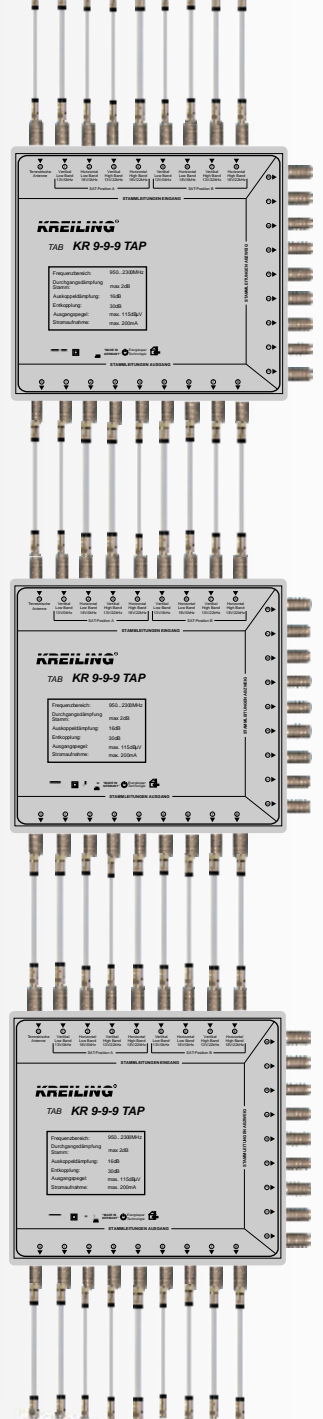
Frequency range

Inputs: 1 (47-862 MHz)
8 (950-2300 MHz)

Trunk outputs: 9
Sloping position: 5 dB
1 Watt switch-mode power supply: 2 independently

Max. output level SAT: 114 dBμv
Max. gain SAT: 34 dB
Adjustable: automatic 0-20 dB
Min. isolation inputs: > 30 dB

- Special features:
- Stand by technology
- Weather function
- Reference level for Terr. and Sat
- Integrated cooling
- Alphanumeric display
- OSD german
- Key operation at device



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KR 960-HBB

- DVB-S2 HD single receiver PVR-ready
- Single HD-tuner
- Four-digit display
- 10.000 memory cells
- CI+ drive
- HD+ -capable
- Hbb TV reception by network or WLAN (opt.)
- HDMI output
- Scart output
- Ac3 optical output for dolby-digital-bitstream
- 2 USB interfaces (in front an back)
- Ethernet interface
- WLAN - per dongle (sep.)
- Timer / EPG
- EPG
- Teletext
- Resolution up to 1080i
- Audio HEDAC, AAC, DD/DD+, AC3
- PVR for using own devices
- Timeshift
- DiSEqC 1.0.
- UNICABLE
- Dimensions in mm : 295 x 40 x 170
- Colour : high-polish black
- Remote control



EAN Code 4250157711144



Rear view



Original Kreiling WLAN Dongle has to be ordered separately!



Remote control KR 960



KR 950-zapp

- DVB-S2 HD single receiver
- Single HD tuner
- 5.000 memory cells
- HDMI output
- Scart-output
- Ac3 optical output for dolby-digital-bitstream
- USB-interface for update
- Automatic update
- Current saving power supply < 0,5 Watt at stand-by
- EPG
- Teletext
- Resolution up to 1080i
- Audio HE AAC, AAC, DD/DD+, AC3
- DiSEqC 1.0., 1.2
- UNICABLE
- Weight: 960 Gramm
- Dimensions in mm: 295 x 40 x 170
- Colour: black
- Remote control



EAN Code 4250157711205



Remote control KR 950



KR AE 35 STYLE

35 cm satellite dish with reflector

- Strong suction cup holder for smooth surfaces
- Additional mast mount (up o 38 mm) suitable for wall mounting
- Compass
- Carrying case
- CI+ drive
- Delivery without LNB (see LNBs)



EAN Code 4250157709295

KR AE 60 STYLE

60 cm satellite dish with exclusive reflector design

- Gain: 35,8 dBi / 12,75 GHz
- Galvanised steel mount
- Aluminium support arm
- Optimal torsion-resistend
- Delivery without LNB
- 40 mm LNB mount adapted for KREILING KR-product range
- Available in anthracite-coloured (similar to RAL 7012) white (similar to RAL 7035)



EAN Code 4250157705006 (anthracite-coloured)
EAN Code 4250157704993 (white)

KR AE 60 STYLE / ALU

- Equivalent to KR AE 60 STYLE but equipped with aluminium reflector



EAN Code 4250157710574 (anthracite-coloured)
EAN Code 4250157710581(white)

KR AE 80 STYLE / ALU

80 cm satellite dish with exclusive reflector design

- Gain: 39,2 dBi / 12,75 GHz
- Galvanised rear section and AZ-EL mount
- Aluminium reflector
- Rear section fitted
- LNB-arm : uncoated aluminium
- LNB-mount: polypropylene and fibreglass
- Delivery without LNB
- 40 mm LNB mount adapted for KREILING KR-product range
- Available in .
 - anthracite-coloured (similar to RAL 7012)
 - red (similar to RAL 8012)
 - white (similar to RAL 7035)

Suitable mount :

KR DUO 80



EAN Code 4250157710598 (anthracite-coloured)
 EAN Code 4250157710611 (white)
 EAN Code 4250157710604 (red)

KR AE 85 PROFIplus

85 cm premium satellite dish with aluminium reflector

- Gain: 39,5 dBi / 12,75 GHz
- Extemely torsion-resistend
- Steel-alu compound mount fully coated in grey
- Pre-installed mount
- AZ-EL-mount fully fitted with wing bolts
- Delivery without LNB / without multifeed mount
- Suitable up to 76 mm masts
- Big scale
- 40 mm steel-alu compound mount adapted for KREILING KR-product range
- Available in .
 - anthracite-coloured (similar to RAL 7012)
 - red (similar to RAL 8012)
 - white (similar to RAL 7035)



With metal mount !!!



EAN Code 4250157711106 (anthracite-coloured)
 EAN Code 4250157711120 (white)
 EAN Code 4250157711113 (red)

**PROFI
LINE**

Suitable multifeed-mounts
 KR MFH 85 + 10
 KR MFH 85 + 24

KR AE 100 MULTI

100 cm premium satellite dish with aluminum reflector

- Gain: 40,9 dBi / 12,75 Ghz
 - Sturdy mount with 2 massive clamping brackets
 - Galvanised steel for ideal torsional strength
 - AZ-EL-mount fully fitted with wing bolts
 - Delivery without LNB / without duofeed mount
 - 40 mm LNB mount adapted for KREILING KR-product range
- Available in .
anthracite-coloured (similar to RAL 7012)

Suitable mount :

KR DUO 100



EAN Code 4250157704962

KR AE 115 MULTI

115 cm premium satellite dish with aluminum reflector

KR AE 125 MULTI

125 cm premium satellite dish with aluminum reflector

- KR AE 115 MULTI: gain 41,6 dBi / 12,75 Ghz
- KR AE 125 MULTI: gain: 42,5 dBi / 12,75 Ghz
- Sturdy mount with 2 massive clamping brackets
- Torsion-resistent aluminium square-tube feedarm
- Galvanised, coated steel rear section
- Multifeed mounts available

Suitable mounts:

KR DUO 115/125
KR Multifeed 115/125



EAN Code 4250157708540

EAN Code 4250157708557

HK - 400

- Adapter to assemble 40 mm standard LNB to Kathrein CAS and Astro SAT satellite dishes
- Fully made of metal
- Adapter and 5 mm hex key packed in polybag
- Expandable up to 2 additional SAT-positions with HEW-400



HT - 400

- Adapter to assemble 40 mm standard LNB to Orbitech/TechniSat satellite dishes
- Fully made of metal
- Adapter and 5 mm hex key packed in polybag
- Expandable up to 2 additional SAT-positions with HEW-400



HFH - 400

- Adapter to assemble 40 mm standard LNB to former Fuba and Hirschmann satellite dishes
- Fully made of metal
- Adapter and 5 mm hex key packed in polybag
- Expandable up to 2 additional SAT-positions with HEW-400



HEW - 400

- Infinitely variable expander rack for LNB feed-mount HT-400, HK-400, HFH-400, HU-400
- Fully made of metal
- Adapter and 5 mm hex key packed in polybag
- Used for receiving 1 or 2 additional SAT-positions



HU2 - 400

- Infinitely variable LNB multifeed mount
- Double, universal
- Used for receiving 2 different SAT-positions
- Fully made of metal
- Adapter and 5 mm hex key packed in polybag
- Has to be mounted to LNB-neck
- Long LNB-neck is necessary
- Expandable about a 3- SAT-position with HEW-400



KR DUO 80

- Suitable for KR AE 80 and KR AE 85 ALU (old version)
- Distance 6,2° / Astra 19,2° / Eutelsat 13°
- Delivery without LNB
- Suitable for KR AE 85 ALU (old version)



KR DUO 100

- Suitable for KR AE 100
- Distance 6,2° / Astra 19,2° / Eutelsat 13°
- Delivery without LNB

KR MFH 85 + 10



- Multifeed rail suitable for KR AE 85 PROFI Plus
- 10° spectrum (+-5°)
- Delivery without LNB
- Delivery with 1 additional mount



KR MFH 85 + 24



- Multifeed rail suitable for KR AE 85 PROFI Plus
- 24° spectrum (+-12°)
- Delivery without LNB
- Delivery with 1 additional moun



KR LNB + HA



- LNB expansion mount
- To KR MFH 85 - for KR AE PROFIplus



KR DUO 115 / 125

- Duofeed mount suitable for KR AE 115 MULTI and KR AE 125 MULTI
- Distance 6,2° / Astra 19,2° / Eutelsat 13°
- Delivery without LNB



KR MULTIFEED 115 / 125

- Fourfold multifeed mount suitable for KR AE 115 MULTI and KR AE 125 MULTI
- 3 LNB mounts individually adjustable, 1 LNB mount fixed
- Adjustable range max. 25°
- Delivery without LNB



The quality leap in technical data and reliability

5 years warranty

Regarding to the high quality of these extraordinary KR Profi- Line LNBS we grant a five-year warranty!



- Improved SNR
- Max. tightness (equal to IP 68)
- Every LNB is tested with regard to heat, frost and tightness
- Opt. cross polarisation decoupling
- Min. current consumption
- Feed mounting size 40 mm
- Anthracite-coloured
- Gold plated connectors

Input frequency

Lower KU-Band (Low-Band) from 10,7 GHz to 11,70 GHz
Upper KU-Band (High-Band) from 11,7 GHz to 12,75 GHz

Output frequency

Low-Band from 950 MHz to 1950 MHz
High-Band from 1100 MHz to 2150 MHz

Oscillator frequency

Low-Band 9,75 GHz
High-Band 10,6 GHz

Features at normal operating temperature

Boost		57 to 60 dB
Noise figure	Low-Band	0,2 dB typ.
	High-Band	0,2 dB typ.
Cross polarisation decoupling		22 dB

Band changeover

Vertical level	12 to 14 V DC
Horizontal level	16 to 20 V DC
Low Band / High Band	0/22 kHz audio signal

KR 140 PROFI II

Universal Single

- Universal single LNB
- Suitable for 1 receiver analog or digital
- Current consumption : 120 mA
- Gold plated connections - non-corroding



KR 240 PROFI II

Universal Twin

- Universal PROFI twin LNB
- Suitable for 2 receivers analog and / or digital
- Current consumption : 820 mA
- Gold plated connections - non-corroding



KR 440 PROFI II

Universal Quattro

- Universal PROFI Quattroband LNB
- Suitable for 4-SAT-ZF-distribution / SMATV LNB
- Current consumption : 200 mA
- Gold plated connections - non-corroding



KR 4440 PROFI II

Universal Quad

- Universal PROFI Quad LNB
- Suitable for 4 receivers analog and / or digital
- Current consumption : only 200 mA
- Gold plated connections - non-corroding



LNB - feed mounting size 23 mm equipped with cover against weather

- Anthracite-coloured
- Cover against weather
- Extremely compact construction
- 23 mm feed mounting size with 40 mm adapter

Oscillator frequency
 Low-Band 9,75 GHz
 High-Band 10,6 GHz

Input frequency
 Lower KU-Band (Low-Band) from 10,7 GHz to 11,70 Ghz
 Upper KU-Band (High-Band) from 11,7 GHz to 12,75 Ghz
 Output frequency
 Low-Band from 950 MHz to 1950 MHz
 High-Band from 1100 MHz to 2150 Mhz

Features at normal operating temperature
 Noise figure Low-Band 0,3 dB typ.
 High-Band 0,3 dB typ

Band changeover
 Vertical level 12 to 14 V DC
 Horizontal level 16 to 20 V DC
 Low Band / High Band 0/22 kHz audio signal

KR 123 WSG

Universal Single

- Universal single LNB
- For 1 receiver : analog and / or digital
- Current consumption : 110 mA typ.
- Extremely low weight



KR 223 WSG

Universal Twin

- Universal Twin LNB
- For 2 receivers : analog and / or digital
- Current consumption : 120 mA typ.
- Extremely low weight



KR 423 WSG

Universal Quattro

- Universal quattrobroadband LNB / SMATV LNB
- For 4-SAT-ZF-distribution
- Current consumption : 250 mA typ.
- Extremely low weight



KR 4423 WSG

Universal Quad

- Universal Quad LNB
- For 4 receivers : analog and / or digital
- Current consumption : 250 mA typ.
- Extremely low weight



4 SAT-ZF multiswitch solutions

KREILING multiswitch solutions with 5 inputs which are typically used to receive a satellite system like ASTRA 19,2 ° are suitable for all cases of applications.

On the input side QUATTROBAND-LNB such as LNB KR 440 PROFI II can be used or existing QUAD-LNB such as KR 4440 PROFI II can be extended to various subscribers.

This product range starts with compact multiswitches KR 5-6 MS suitable for 6 subscribers and KR 5-8 MS for 8 subscribers. The multiswitches for a conventional single-family solution do have already all technical advantages of KREILING PROFI-LINE distribution technology.

KR 5-12 MSK-V suitable for 12 and KR 5-16 MSK-V suitable for 16 subscribers are equipped with trunk line outputs. This allows a cascading downwards, i.e. it's possible to connect further cascadable multiswitches to the trunk line outputs.

This programme is topped off by KR 5-24 MS suitable for 24 and KR 5-32 MS suitable for 32 subscribers. Both solutions are providing a high number of subscribers for point distribution.

The product range of compact switches is completed by our cascadable units KR 5-8 K-V and KR 5-16 K-V. These devices are used in combination with compact switches (KR x/x MSK(V)) or basic devices/distributors KR 5-5 BV, KR 5-10 BV and KR 5-5 BNV-A. These devices enable the construction of big distribution grids up to 750 subscribers, they can also be used as re-amplifier.

Features :

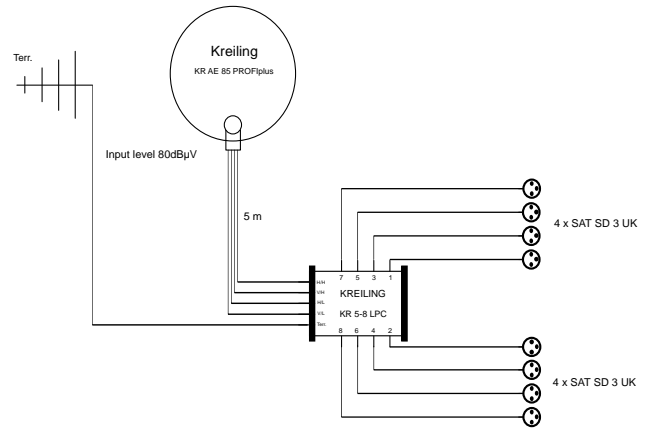
- Energy saving switch-mode power supply with approx. 1 watt stand-by power and low consumption by ESP II + - technology
- Compact multiswitches, cascadable switches and devices are equipped with stand-by circuit when receivers are not supplied with voltage
- Low heat generation
- Performance optimized TERR and SAT amplifier with up to 6 dB precompensating slope
- High maximum output power
- QUATTRO + QUAD LNB supply voltage
- High remote supply voltage for LNB
- High isolation
- Riveted F-jacks
- Ground clamp
- "Made in Germany"



KR 5-8 LPC

Multiswitch without power supply suitable for 8 subscribers

Type	KR5-8 LPC
	Multiswitch/Distributor
Kind	passive
Inputs	5
Terrestrial frequency range	47...862
SAT frequency range	950...2200
Subscriber outputs	8
Trunk outputs	-
SAT sloping position	x
Terrestrial gain	-
Adjustable	-
QUAD suitable	-
1 W switching power supply	-
Stand-by	-
Cascade stand-by	-
Gain terr (dB)	-16
Max. output level terr. (dBμV)	83
Max. output level IMA 2	-
Max. output level IMA 3	-
Gain SAT (dB)	-1...+3
Max. output level SAT (dBμV)	95
Current consumption	app. 20mA/Rec
Current output	max. 350mA
Decoupling	< 30 dB
Ambient temperature	-20...50°C
Dimensions mm	150 x 148 x 68
EAN-Code	4250157710956



MADE IN GERMANY

Type	KR 5-6 MS	KR 5-8 MS	KR 5-12MSK-V Cascadable	KR 5-16 MSK-V Cascadable	KR 5-24 MS	KR 5-32 MS
Kind	Multiswitch	Multiswitch	Multiswitch	Multiswitch	Multiswitch	Multiswitch
Inputs	5	5	5	5	5	5
Terrestrial frequency range	47...862	47...862	47...862	47...862	47...862	47...862
SAT frequency range	950...2300	950...2300	950...2300	950...2300	950...2300	950...2300
Subscriber outputs	6	8	12	16	24	32
Trunk outputs	-	-	5	5	-	-
SAT sloping position	x	x	x	x	x	x
Terrestrial gain	x	x	x	x	x	x
Adjustable	-	-	-	-	-	-
QUAD suitable	x	x	x	x	x	x
1 W switch-mode power supply	x	x	x	x	x	x
Stand-by	x	x	x	x	x	x
Cascade stand-by	-	-	x	x	-	-
Gain terr (dB)	-3...-1	-3...-1	-6...-4	-6...-4	-6...-4	-6...-4
Max. output level terr. (dB μ V)	83	83	83	83	83	83
Max. output level IMA 2	-	-	-	-	-	-
Max. output level IMA 3	-	-	-	-	-	-
Gain SAT (dB)	-4...+1	-4...+1	-5...+1	-5...+1	-7...-2	-7...-2
Max. output level SAT (dB μ V)	95	95	95	95	95	95
Sloping position (dB)	5	5	6	6	5	5
Min. isolation inputs (dB)	24	24	31	31	31	31
Transmission loss trunk (dB)	-	-	3	3	-	-
Remote current (mA)	350	350	650	650	650	650
Max. power consumption (W)	11	11	22	22	22	22
Stand-by power consumption (W)	1,0	1,0	1,4	1,4	1,4	1,4
Mains power supply band	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz
Electr. requirement without LNB (W)	3,4	4,4	3,6	4,2	7,2	8,4
Short circuit proof	x	x	x	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C	-20...50°C	-20...50°C	-20...50°C
Dimensions mm	245 x 148 x 75	245 x 148 x 75	360 x 148 x 75	365 x 148 x 75	365 x 148 x 75	365 x 148 x 75
EAN-Code	4250157709622	4250157709639	4250157709646	4250157709653	4250157709660	4250157709677

KR 5-6 MS

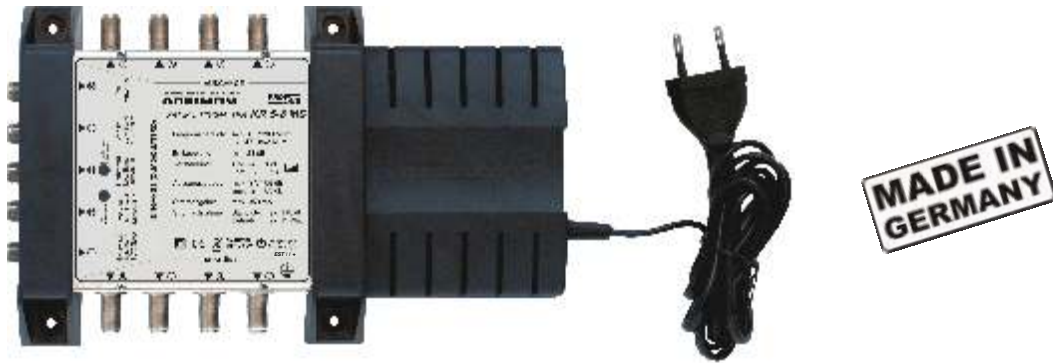
Multiswitch suitable for 6 subscribers



MADE IN GERMANY

KR 5-8 MS

Multiswitch suitable for 8 subscribers

**KR 5-12 MS**

Multiswitch suitable for 12 subscribers

**KR 5-12 MSK-V**

Multiswitch suitable for 12 subscribers, cascadable



KR 5-16 MSK-V

Multiswitch suitable for 16 subscribers, cascadable



MADE IN GERMANY

KR 5-24 MS

Multiswitch suitable for 24 subscribers



MADE IN GERMANY

KR 5-32 MS

Multiswitch suitable for 32 subscribers



MADE IN GERMANY

Type	KR 5-8 K-V	KR 5-16 K-V
Kind	Cascadable multiswitch/distributor with variable 3-stage amplification	Cascadable multiswitch/distributor with variable 3-stage amplification
Inputs	5	5
Terrestrial frequency range MHz	47...862	47...862
SAT frequency range MHz	950...2300	950...2300
Subscriber outputs	8	16
Trunk outputs	5	5
SAT sloping position	x	x
Terrestrial gain	x	x
Adjustable	-	-
Quad suitable	-	-
1 W switch mode power supply	-	-
Stand-by	x	x
Cascade stand-by	x	x
Gain terr [dB]	-7...-5	-7...-5
Max. output level terr. [dBμV]	83	83
Max. output level IMA 2	-	-
Max. output level IMA 3	-	-
Gain SAT [dB] selectable	Level 1: -6..0 Level 2: -1..5 Level 3: +4..10	Level 1: -6..0 Level 2: -1..5 Level 3: +4..10
max. output level SAT [dBμV]	95	95
Sloping position[dB]	6	6
Min. isolation inputs [dB]	31	31
Transmission loss trunk [dB]	3	3
Remote current [mA]	-	-
Max. power consumption [W]	-	-
Stand-by power consumption [W]	-	-
Mains power supply band	-	-
Electricity requirement without LNB [W]	-	-
Short circuit proof	x	x
Ambient temperature	-20...50°C	-20...50°C
Dimensions mm	260 x 148 x 75	260 x 148 x 75
EAN-Code	4250157711779	4250157711748

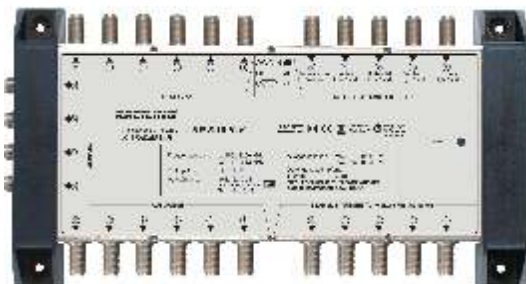
KR 5-8 K-V

Cascadable multiswitch-distributor suitable for 8 subscribers



KR 5-16 K-V

Cascadable multiswitch-distributor suitable for 16 subscribers



Type	KR 5-5 BV	KR 5-10 BV
Kind	Basic device with high amplification	Basic device with high amplification
Inputs	5	5
Terrestrial frequency range	47...862	47...862
SAT frequency range	950...2200	950...2200
Subscriber outputs	-	-
Trunk outputs	5	2 x 5
Applicable as post amplifier	X	X
SAT sloping position	x	x
Terrestrial gain	x	x
Adjustable	x	x
QUAD suitable	x	x
1 W switch-mode power supply	x	x
Stand-by	x	x
Cascade stand-by	x	x
Gain terr (dB)	14-16	11-15
Max. output level terr. (dBμV)	104	104
Gain SAT (dB)	20...24	17...20
Max. output level SAT (dBμV)	104	104
Sloping position (dB)	4	4
Min. isolation inputs (dB)	30	30
Remote current LNB (mA)	350	350
Remote current cascades (mA)	300	300
Max. power consumption (W)	23,0	23,0
Stand-by power consumption (W)	1,5	1,5
Mains power supply band	190...260 V 50Hz	190...260 V 50Hz
Electricity requirement without LNB (W)	11	11
Short circuit proof	x	x
Ambient temperature	-20...50°C	-20...50°C
Dimensions mm	245 x 148 x 75	245 x 148 x 75
EAN-Code	4250157709707	4250157709714

KR 5-5 BV

Basic device / amplifier



MADE IN GERMANY

KR 5-10 BV

Basic device / amplifier



MADE IN GERMANY

KR 5-5 BNV-A

Basic device / amplifier



MADE IN GERMANY

Type	KR 5-5 BNV-A
Kind	Basic device with extremely high amplification and automatic power adjustment
Inputs	5
Terrestrial frequency range MHz	47..862
SAT frequency range MHz	950..2300
Subscriber outputs	-
Tunk outputs	5
Alphanumeric display	X
Automatic gain control	X
Level difference display	X
Key programming	X
SAT sloping position	X
Terr. gain	X
Adjustable	automatic 0-20 dB
Quad suitable	-
1 W switching power supply	X
Kascade stand-by	X
Gain terr [dB]	ca. 22-30
max. output level terr.. [dBμV]	ca. 113
max. output level IMA 2	-
max. output level IMA 3	-
Gain SAT [dB]	29-34
max. output level SAT [dBμV]	114
Sloping position [dB]	5
min. isolation inputs [dB]	>30
Remote current [mA]	2 x 350
Power consumption [W max]	20,0
Mains power supply band	190...240 V 50 Hz
Short circuit	X
Ambient temperature	-20...50°C
Dimensions mm	360 x 148 x 75
EAN-Code	4250157711717
"Made in Germany"	



KR 5-5-5 AZR

Directional coupler suitable for 9 trunk lines



MADE IN GERMANY

Type	KR 5-5-5 AZR
Kind	Directional coupler
Inputs	5
Terrestrial frequency range MHz	47...862
SAT frequency range MHz	950...2200
Trunk outputs	5
Tap-trunk outputs	5
Transmission loss trunk [dB]	2
Tap loss terr.	16
Tap loss SAT	18
max. output level terr. [dBμV]	110
max. output level SAT [dBμV]	110
min. isolation inputs SAT/SAT SAT/Terr. [dB]	30 / 40
Current consumption	200
Short circuit proof	x
Ambient temperature	-20...50°C
Dimensions mm	145 x 125 x 35
EAN-Code	4250157711755

8 SAT-ZF multiswitch solutions

KREILING multiswitch solutions with 9 inputs which are typically used to receive 2 satellite systems like ASTRA 19,2 ° and EUTELSAT 13° are suitable for all cases of applications.

On the input side QUATTROBAND-LNB such as LNB KR 440 PROFI II can be used or existing QUAD-LNB such as KR 4440 PROFI II can be extended to various subscribers.

This product range includes the compact multiswitches KR 9-4 MSK suitable for 4 subscribers, KR 9-6 MSK suitable for 8 participants and KR 9-16 MSK suitable for 16 subscribers. All of these multiswitches are equipped with trunk line outputs. This allows a cascading downwards, i.e. the multiswitch is connected to the trunk outputs.

The product range of compact switches is completed by the cascadable units KR 9-8 K and KR 9-16 K. These devices are used in connection with the compact switches or basic device / amplifier KR 9-9 BNV-A. These basic devices / amplifiers enable the construction of big distribution grids.

Features :

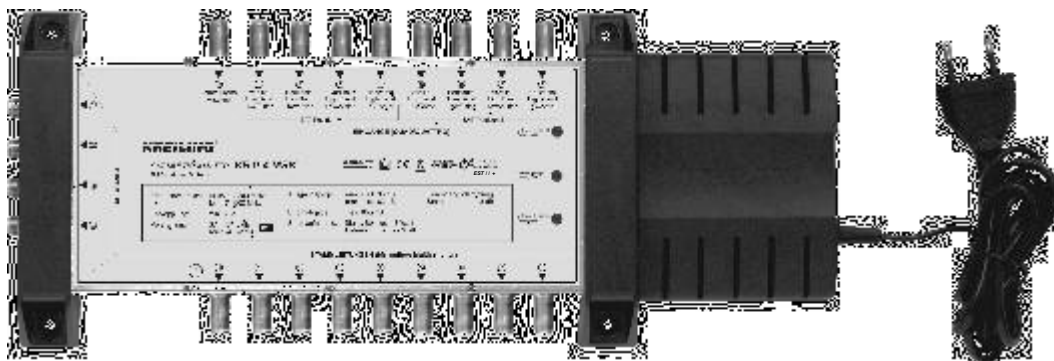
- Energy saving switching mode power supply with approx. 1 watt stand-by power
low consumption by ESP II + - technology
- Compact multiswitches, cascadable switches and devices are equipped with stand-by circuit when receivers are not supplied with voltage
- Low heat generation
- Performance optimized TERR and SAT receiver with up to 6 dB precompensating slope
- High maximum output power
- QUATTRO + QUAD LNB supply voltage
- High remote supply voltage for LNB
- High isolation
- Riveted F-jacks
- Ground clamp
- "Made in Germany"



Type	KR 9-4 MSK	KR 9-6 MSK	KR 9-8 MSK	KR 9-16 MSK
Kind	Cascadable	Cascadable	Cascadable	Cascadable
Inputs	Multiswitch 9	Multiswitch 9	Multiswitch 9	Multiswitch 9
Terrestrial frequency range	47...862	47...862	47...862	47...862
SAT frequency range	950...2300	950...2300	950...2300	950...2300
Subscriber outputs	4	6	8	16
Trunk outputs	9	9	9	9
SAT sloping position	x	x	x	x
Terrestrial gain	x	x	x	x
Adjustable	-	-	-	-
Return path	-	-	-	-
QUAD suitable	x	x	x	x
1 W switch-mode power supply	x	x	x	x
Stand-by	x	x	x	x
Cascade stand-by	x	x	x	x
Gain terr (dB)	-4...-2	-4...-2	-4...-2	-6...-4
Max. output level terr. (dB μ V)	83	83	83	83
Max. output level IMA 2	-	-	-	-
Max. output level IMA 3	-	-	-	-
Gain SAT (dB)	-6..0	-6..0	-6..0	-7...-3
Max. output level SAT (dB μ V)	95	95	95	95
Sloping position (dB)	6	6	6	4
Min. isolation inputs (dB)	30	30	30	30
Transmission loss (dB)	3	3	3	5
Remote current (mA)	850	850	850	850
Max. power consumption (W)	22	22	22	22
Stand-by power consumption (W)	1,7	1,7	1,7	1,7
Mains power supply band	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz
Electricity requirement without LNB (W)	2,8	3,3	3,8	6,5
Short circuit proof	x	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C	-20...50°C
Dimensions mm	365 x 148 x 75	365 x 148 x 75	365 x 148 x 75	365 x 148 x 75
EAN-Code	4250157709721	4250157709738	4250157709745	4250157709752

KR 9-4 MSK

Multiswitch suitable for 4 subscribers, cascadable



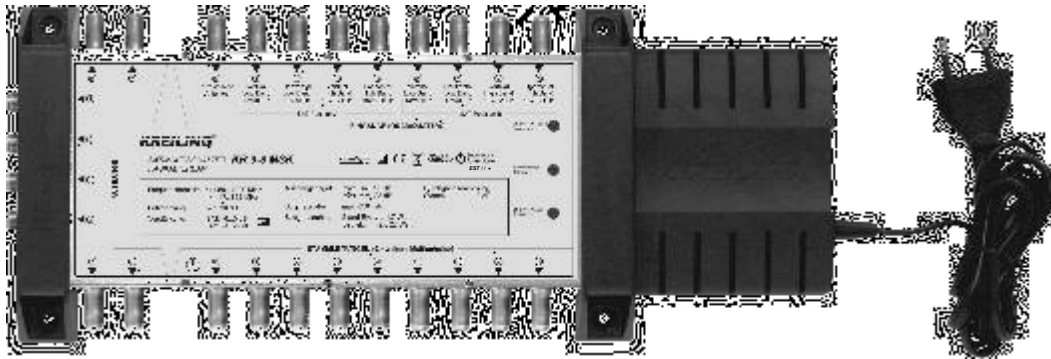
MADE IN GERMANY

KR 9-6 MSK

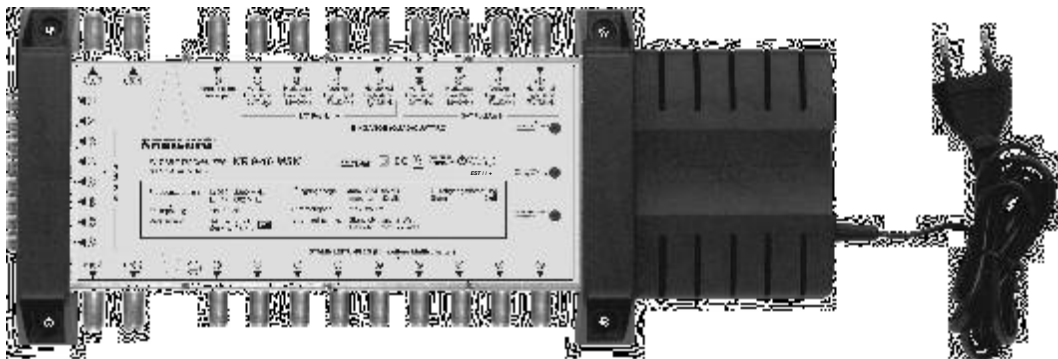
Multiswitch suitable for 6 subscribers, cascadable

**MADE IN GERMANY****KR 9-8 MSK**

Multiswitch suitable for 8 subscribers, cascadable

**MADE IN GERMANY****KR 9-16 MSK**

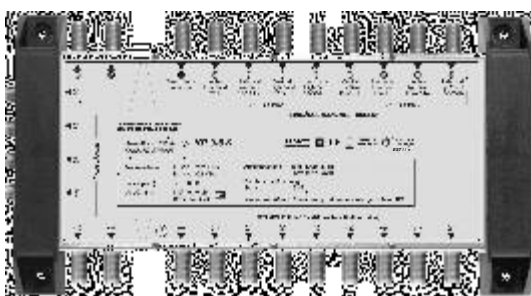
Multiswitch suitable for 16 subscribers, cascadable

**MADE IN GERMANY**

Type	KR 9-8 K	KR 9-16 K
	Cascadable	Cascadable
Kind	Multiswitch/Distributor	Multiswitch/Distributor
Inputs	9	9
Terrestrial frequency range	47...862	47...862
SAT frequency range	950...2300	950...2300
Subscriber outputs	8	16
Trunk outputs	9	9
SAT sloping position	x	x
Terrestrial gain	x	x
Adjustable	-	-
QUAD suitable	-	-
1 W switch-mode power supply	-	-
Stand-by	x	x
Cascade stand-by	x	x
Gain terr (dB)	-4...-2	-6...-4
Max. output level terr. (dB μ V)	83	83
Max. output level IMA 2	-	-
Max. output level IMA 3	-	-
Gain SAT (dB)	-6..0	-7...-3
Max. output level SAT (dB μ V)	95	95
Sloping position (dB)	6	4
Min. isolation inputs (dB)	30	30
Transmission loss trunk (dB)	3	5
Remote current (mA)	-	-
Max. power consumption (W)	-	-
Stand-by power consumption (W)	-	-
Mains power supply band	-	-
Electricity requirement without LNB (W)	-	-
Short circuit proof	x	x
Ambient temperature	-20...50°C	-20...50°C
Dimensions mm	267 x 148 x 75	267 x 148 x 75
EAN-Code	4250157709769	4250157709776

KR 9-8 K

Cascadable multiswitch-distributor suitable for 8 subscribers



MADE IN GERMANY

KR 9-16 K

Cascadable multiswitch-distributor suitable for 16 subscribers



MADE IN GERMANY

Type	KR 9-9 BNV-A
Kind	Basic device with extremely high amplification and automatic power adjustment
Inputs	9
Terrestrial frequency range	47..862
SAT frequency range	950..2300
Subscriber outputs	-
Trunk outputs	9
Alphanumeric display	x
Automatic gain control	x
Level difference display	x
Key programming	x
High performance fan	x
SAT sloping position	x
Terr. gain	x
Adjustable	automatic 0-20 dB
QUAD suitable	-
1 W switching power supply	2 pieces
Cascade-stand by	x
Gain terr [dB]	appr. 22-30
Max. output level terr.. [dBμV]	appr. 113
Max. output level IMA 2	-
Max. output level IMA 3	-
Gain SAT [dB]	29-34
Max. output level SAT [dBμV]	114
Sloping position [dB]	5
Min. isolation inputs [dB]	>30
Remote current [mA]	2 x 350
Power consumption [W]	20,0
Mains power supply band	190...240 V 50 Hz
Short circuit	x
Ambient temperature	-20...50°C
Dimensions in mm	480 x 148 x 72
EAN-Code	4250157709783



KR 9-9 BNV-A

Basic device / amplifier

MADE IN GERMANY



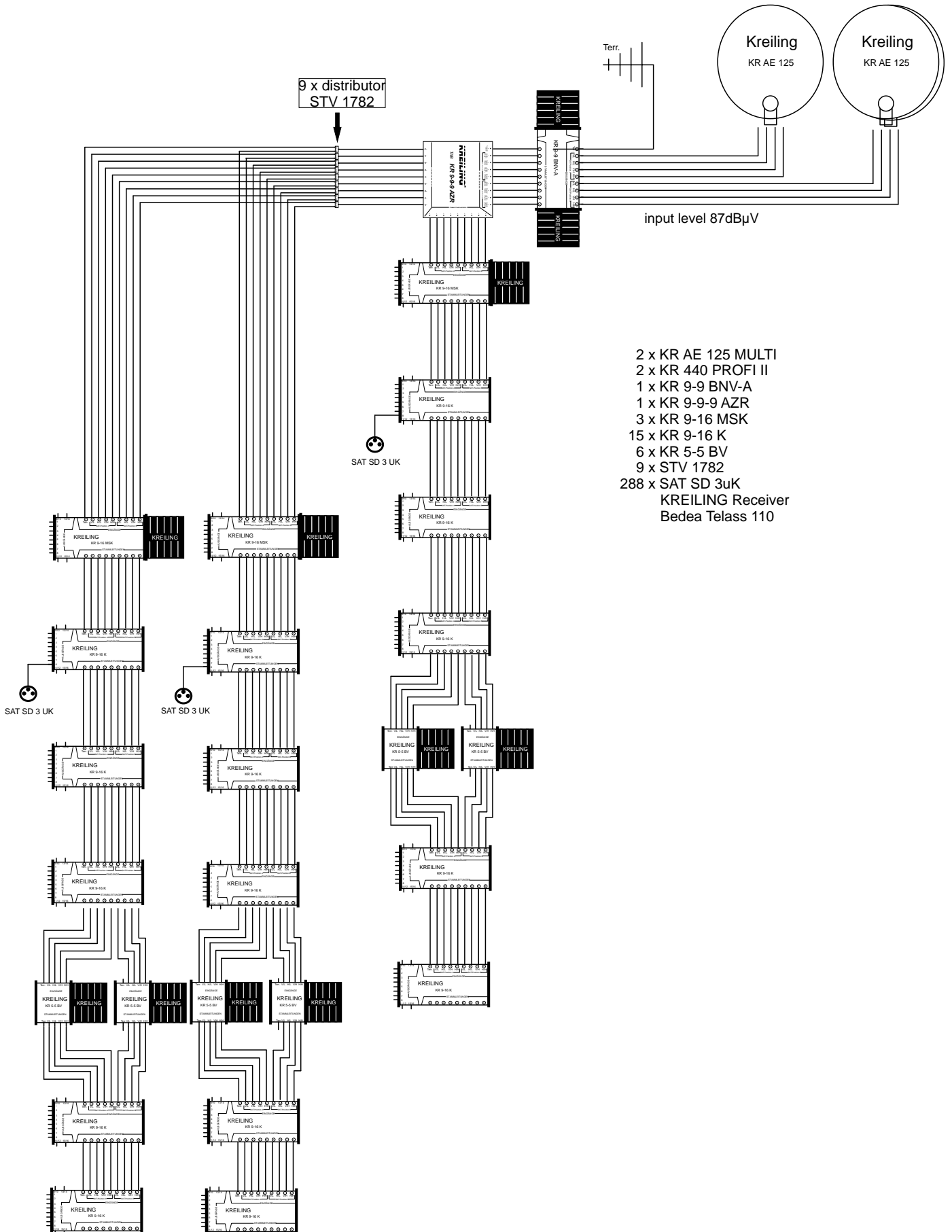
Type	KR 9-9-9 AZR
Kind	Directional coupler
Inputs	9
Frequency level Terr MHz	47...862
Frequency level SAT MHz	950...2200
Trunk outputs	9
Tap-trunk outputs	9
Transmission loss trunk [dB]	2
Tap loss terr.	16
Tap loss SAT	18
Max. output level terr. [dBμV]	110
Max. output level SAT [dBμV]	110
Min. isolation inputs SAT/SAT SAT/Terr. [dB]	30 / 40
Current consumption	200
Short circuit proof	x
Ambient temperature	-20...50°C
Dimensions in mm	182 x 194 x 55
EAN-Code	4250157709936

KR 9-9-9 AZR

Directional coupler suitable for 9 trunk lines

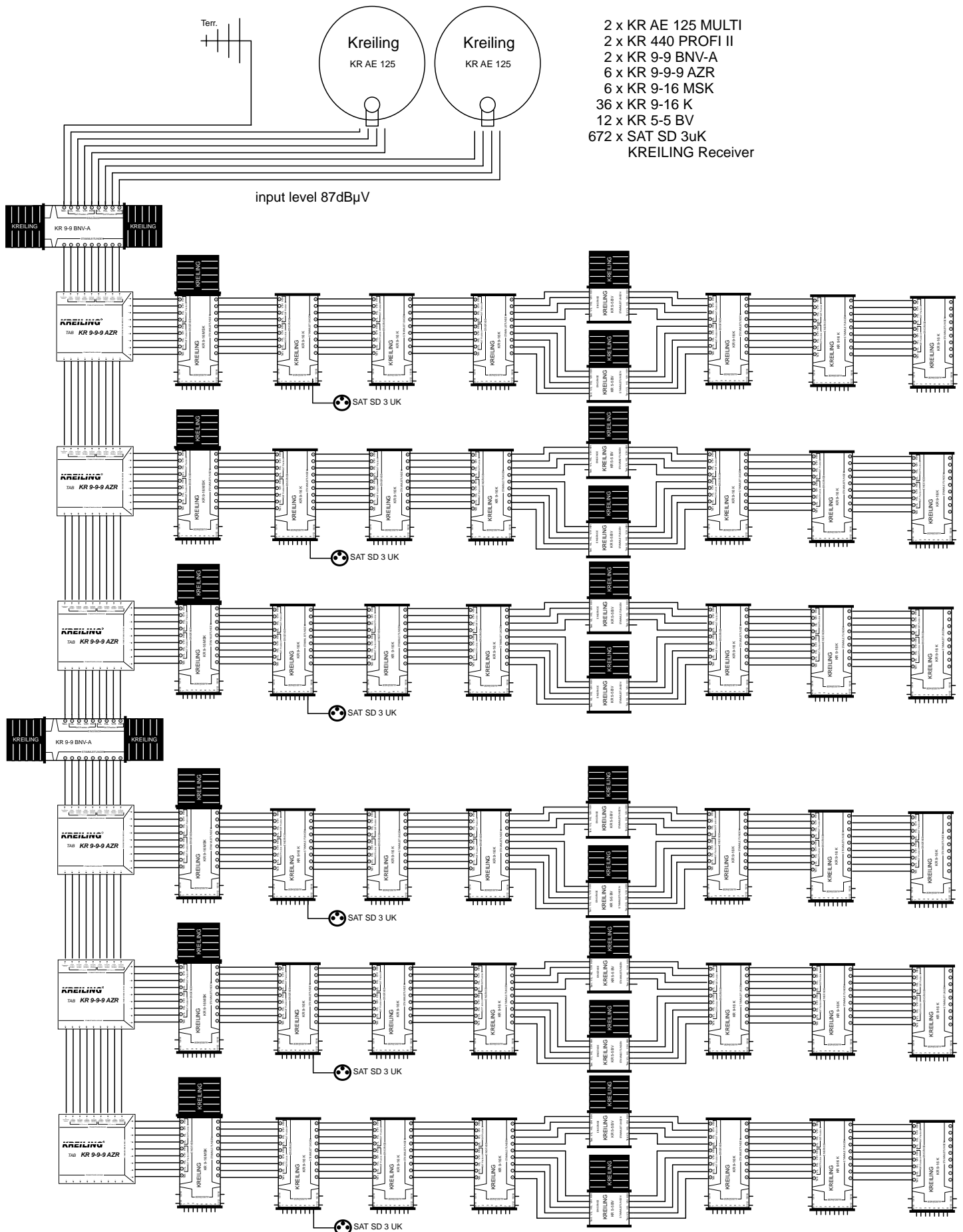


Application example : 2 satellite positions 288 subscribers



- 2 x KR AE 125 MULTI
- 2 x KR 440 PROFI II
- 1 x KR 9-9 BNV-A
- 1 x KR 9-9-9 AZR
- 3 x KR 9-16 MSK
- 15 x KR 9-16 K
- 6 x KR 5-5 BV
- 9 x STV 1782
- 288 x SAT SD 3uK
- KREILING Receiver
- Bedeia Telass 110

Application example: 2 satellite positions 672 subscribers



16 SAT-ZF inputs multiswitch solutions

KREILING multiswitch solutions with 17 inputs which are typically used to receive a satellite system like ASTRA 19,2 ° and 3 other satellite systems are suitable for all cases of applications.

On the input side QUATTROBAND-LNB such as LNB KR 440 PROFI II can be used.

Kr 17-4 MSK suitable for 4 subscribers and KR 17-8 MSK for 8 subscribers are equipped with trunk line outputs. This allows an additional cascading downwards, i.e. further cascadable multiswitches can be connected to the trunk line outputs.

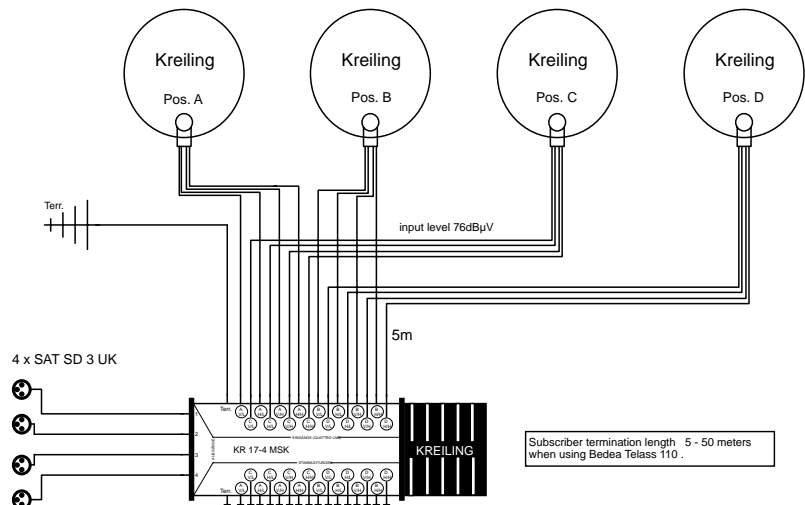
The product range of compact switches is completed by cascadable units KR 17-4 K and KR 17-8 K. These devices can be used in combination with the compact switches or basic devices/amplifiers KR 5-5 BV and KR 5-10 BV. These basic devices/amplifiers enable the construction of big distribution grids.

Features :

- Energy saving switching mode power supply with approx. 1 watt stand-by power low consumption by ESP II + - technology
- Compact multiswitches, cascadable switches and devices are equipped with stand-by circuit when receivers are not supplied with voltage
- Low heat generation
- Performance optimized TERR and SAT receiver with up to 6 dB precompensating slope
- High maximum output power
- High decoupling
- Riveted F-jacks
- Ground clamp
- "Made in Germany"



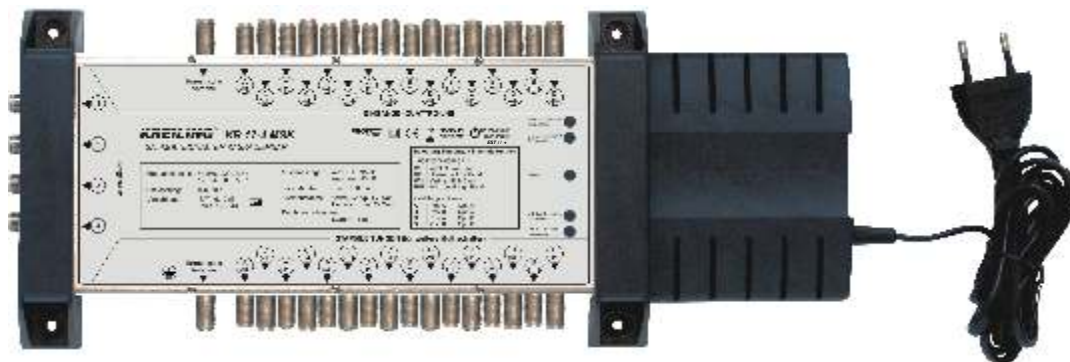
Application example: 4 satellite positions 4 subscribers



Type	KR 17-4 MSK	KR 17-8 MSK	KR 17-4 K	KR 17-8 K
Kind	Multiswitch	Multiswitch	Cascadable	Cascadable
Inputs	17	17	17	17
Terrestrial frequency range	47...862	47...862	47...862	47...862
SAT frequency range	950...2300	950...2300	950...2300	950...2300
Subscriber outputs	4	8	4	8
Trunk outputs	17	17	17	17
SAT sloping position	x	x	x	x
Terrestrial gain	x	x	x	x
Adjustable	-	-	-	-
Return path	-	-	-	-
QUAD suitable	x	x	-	-
1 W switch-mode power supply	x	x	x	x
Stand-by	x	x	x	x
Cascade stand-by	x	x	x	x
Gain terr (dB)	-10...-8	-10...-8	-10...-8	-10...-8
Max. output level terr. (dBμV)	83	83	83	83
Max. output level IMA 2	-	-	-	-
Max. output level IMA 3	-	-	-	-
Gain SAT (dB)	-8...-4	-8...-4	-8...-4	-8...-4
Max. output level SAT (dBμV)	95	95	95	95
Sloping position (dB)	6	6	6	6
Min. isolation inputs (dB)	30	30	30	30
Transmission loss trunk (dB)	3	3	3	3
Remote current (mA)	850	850	-	-
Max. power consumption (W)	22,0	22,0	-	-
Stand-by power consumption (W)	1,7	1,7	-	-
Mains power supply band	190...260 V 50Hz	190...260 V 50Hz	-	-
Electricity requirement without LNB (W)	150	150	150	150
Short circuit proof	x	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C	-20...50°C
Dimensions mm	365 x 148 x 75	365 x 148 x 75	267 x 148 x 75	267 x 148 x 75
EAN-Code	4250157709806	4250157709813	4250157709820	4250157709837

KR 17-4 MSK

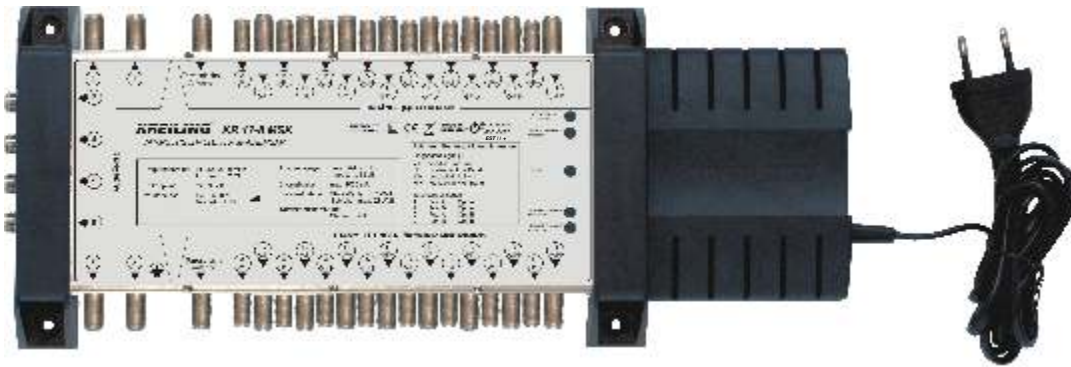
Multiswitch suitable for 4 subscribers, cascadable



MADE IN GERMANY

KR 17-8 MSK

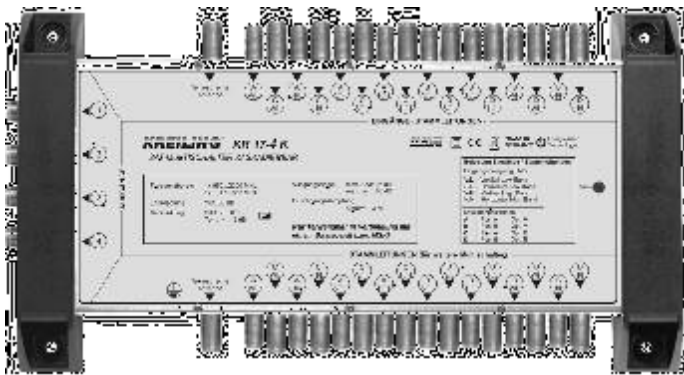
Multiswitch suitable for 8 subscribers, cascadable



MADE IN GERMANY

KR 17-4 K

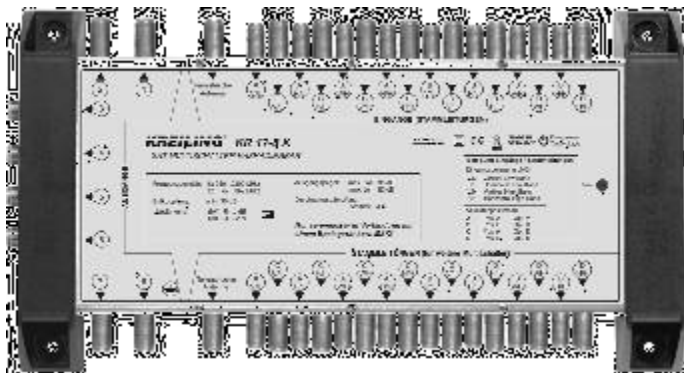
Cascadable multiswitch suitable for 4 subscribers



MADE IN GERMANY

KR 17-8 K

Cascadable multiswitch suitable for 8 subscribers



MADE IN GERMANY

4 SAT-ZF inputs UNICABLE multiswitch solutions

The KREILING UNICABLE multiswitch solution equipped with 5 inputs is designed to spread the 4 bands of a satellite system which are typically used to receive a satellite system like ASTRA 19,2 ° up to 8 connected satellite receivers. Compared with common multiswitch solutions it is possible to renounce the usually necessary star construction and to use a tree construction instead.

However, this only works if the satellite receivers are supporting the UNICABLE report (CENELEC prEN 50494), such as KREILING KR 950-zapp or KR 960-hbb.

On the input side a QUATTROBAND-LNB (optimal solution) such as LNB KR 440 PROFI II (optimal) can be used, or an existing QUAD-LNB (optional/ not KR 5-1-8) such as LNB KR 4440 PROFI II can be extended to max. 8 subscribers.

KR 5-1+4 UNI-MS and KR 5-2+4 UNI-MS possess, in addition to the UNICABLE outputs, 4 "Legacy" outputs to connect existing receivers without UNICABLE control.

The cascadable components KR 5-5-1-8 UNI-MSK and KR 5-5-2-4 UNI-MSK (each equipped with power supply) and KR 5-5-1-8 UNI-K und KR 5-5-2-4 UNI-K (without power supply) are cascadable with all existing KREILING components.

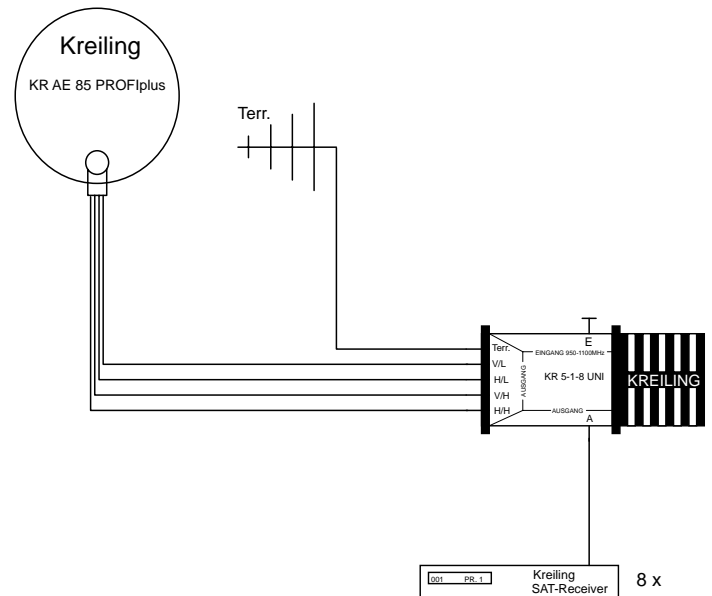
KR 5-1+4 UNI-MS, KR 5-2+4 UNI-MS, KR 5-5-1-8 UNI-MSK, KR 5-5-2-4 UNI-MSK, KR 5-5-1-8 UNI-K and KR 5-5-2-4 UNI-K are equipped with automatic level control for subscriber - and cascade outputs.

Features:

- Port for up to 8 UNICABLE-capable SAT-receivers
- Control by UNICABLE record according to CENELEC prEN 50494
- Energy saving switching mode power supply with 1 W stand-by and very low consumption
- Low heat generation
- Performance optimized TERR and SAT amplifier with high gain
- High maximum output power
- High QUAD LNB supply voltage
- High remote supply voltage for LNB
- Feed-in option for fixed frequencies (KR 5-1-8 UNI)
- High decoupling
- Riveted F-jacks
- Ground clamp
- "Made in Germany"



Type	KR5-1-8 Uni UNICABLE
Kind	Multiswitch
Inputs	5
Terrestrial frequency range	47...862
SAT frequency range	950...2200
Subscriber outputs UNICABLE	1
Trunk outputs	-
SAT sloping position	-
Terrestrial gain	x
Adjustable	-
Return path	-
QUAD suitable	-
1 W switch-mode power supply	-
Stand-by	-
Cascade stand-by	-
Gain terr (dB)	18
Max. output level terr. (dBμV)	95
Max. output level IMA 2	-
Max. output level IMA 3	-
Gain SAT (dB)	20
Max. output level SAT (dBμV)	104
Sloping position (dB)	-
Min. isolation inputs (dB)	30
Transmission loss trunk (dB)	-
Remote current (mA)	350
Max. power consumption (W)	11
Stand-by power consumption (W)	-
Mains power supply band	190...240 V 50Hz
Electricity requirement without LNB (W)	6,0
Short circuit proof	x
Ambient temperature	-20...50°C
Dimensions mm	245 x 148 x 75
EAN-Code	4250157709844



KR 5-1-8 UNI

UNICABLE multiswitch



MADE IN GERMANY

KR 5-2+4 UNI-MS

KR 5-1+4 UNI-MS

UNICABLE multiswitches with Legacy outputs with automatic level control for the subscribers



Type	KR 5-2+4 UNI-MS	KR 5-1+4 UNI-MS
Kind	UNICABLE multiswitch	UNICABLE multiswitch
Inputs	5	5
Frequency range Terr Mhz	47...862	47...862
Frequency range SAT MHz	950...2300	950...2300
Subscriber outputs UNICABLE	2 (à 4 SUB)	1 (à 8 SUB)
Subscriber MS Universal	4	4
SAT sloping position	-	-
Terrestrial gain	x	x
Adjustable	-	-
Return path	-	-
QUAD suitable	x	x
1 W switch mode power supply	x	x
Stand-by	-	-
Cascade Stand-by	-	-
Input level terr [dBµV]	75...90	75...90
Output level terr [dBµV]	75	75
Gain terr [db]	automatically	automatically
Input level SAT [dBµV]	65...90	65...90
Output level SAT [dBµV]	80	80
Output level UNICABLE [dBµV]	83	83
Gain SAT [db]	automatically	automatically
Min. isolation inputs [dB]	30	30
Transmission loss trunk [dB]	-	-
Remote current [mA]	350	350
max. power consumption [W]	13,5	13,5
Stand-by power consumption [W]	2	2
Mains power supply band	190...240V 50Hz	190...240V 50Hz
Electricity requirement without LNB [W]	6,0	6,0
Short circuit proof	x	x
Ambient temperature	-20...50°C	-20...50°C
Dimensions mm	245 x 148 x 75	245 x 148 x 75
EAN-Code	4250157711830	4250157711847
"Made in Germany"		

MADE IN GERMANY

- KR 5-5-2-4 UNI-MSK
- KR 5-5-1-8 UNI-MSK
- KR 5-5-2-4 UNI-K
- KR 5-5-1-8 UNI-K

UNICABLE multiswitch cascadable with automatic level control

MADE IN GERMANY



Type	KR 5-5-2-4 UNI-MSK	KR 5-5-1-8 UNI-MSK	KR 5-5-2-4 UNI-K	KR 5-5-1-8 UNI-K
Kind	UNICABLE multiswitch	UNICABLE multiswitch	UNICABLE multiswitch	UNICABLE multiswitch
Inputs	5	5	5	5
Frequency range Terr Mhz	47...862	47...862	47...862	47...862
Frequency range SAT MHz	950...2300	950...2300	950...2300	950...2300
Subscriber outputs UNICABLE	2 (à 4 TN)	1 (à 8 TN)	2 (à 4 TN)	1 (à 8 TN)
Trunk outputs	5	5	5	5
SAT sloping position	-	-	-	-
Terrestrial gain	x	x	x	x
Adjustable	-	-	-	-
Return path	-	-	-	-
QUAD-suitable	x	x	-	-
1 W switch-mode power supply	x	x	-	-
Stand-by	x	x	x	x
Cascade stand-by	x	x	x	x
Input level terr [dBµV]	75...90	75...90	75...90	75...90
Output level terr [dBµV]	75	75	75	75
Gain terr [db]	automatically	automatically	automatically	automatically
Trunk outputs terr [db]	78	78	78	78
Input level SAT [dBµV]	65...90	65...90	65...90	65...90
Output level UNICABLE [dBµV]	83	83	83	83
Gain SAT [dB]	automatically	automatically	automatically	automatically
Trunk outputs SAT [db]	80	80	80	80
Min. isolation inputs[db]	30	30	30	30
Transmission loss trunk [dB]	-	-	-	-
Remote current [mA]	350	350	-	-
Max. power consumption [W]	13,5	13,5	6,0	6,0
Stand-by power consumption [W]	2	2	2	2
Mains power supply band	190...240V 50Hz	190...240V 50Hz	-	-
Electricity requirement without LNB [W]	6,0	6,0	6,0	6,0
Short circuit proof	x	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C	-20...50°C
Dimensions mm	245 x 148 x 75	245 x 148 x 75	148 x 148 x 75	148 x 148 x 75
EAN-Code	4250157711793	4250157711809	4250157711816	4250157711823
"Made in Germany"				

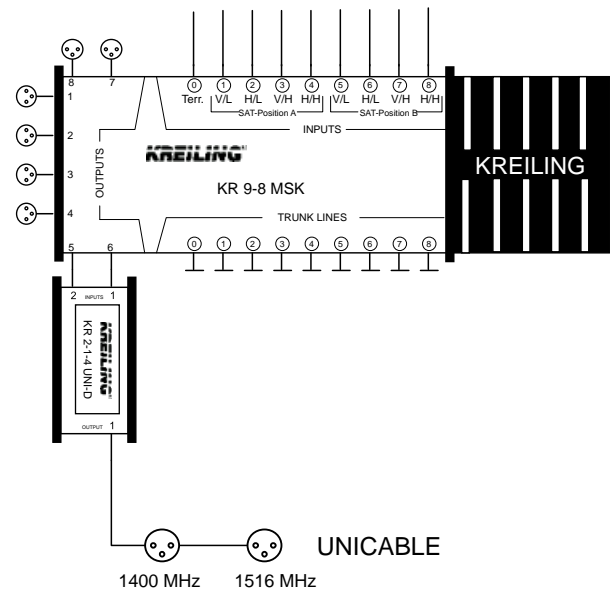
KR 2-1-2 UNI-D

UNICABLE-Dongle



MADE IN GERMANY

The digital single cable system is used to supply 2 satellite receivers or 1 Twin-receiver (equipped with TV-programme) by 1 or 2 satellites through one cable and is usable only in conjunction with a multiswitch, In addition the signal of the terrestrial antenna is transmitted.



Type	KR 2-1-2 UNI-D
Kind	UNICABLE-Dongle to connect to multiswitch-outputs
Frequency range terr. MHz ¹	47...862
Transmission loss terr. [dB]	0...5
Frequency range input SAT-ZF MHz	950...2150
Gain SAT [dB]	0
Output frequency (UB) Slot1 Mhz:	1400
Output frequency (UB) Slot2 MHz:	1516
Isolation terr. / SAT [dB]	>25
max. output level terr. [dBµV]	93
max. output level SAT [dBµV]	95
Control signal	DiSEqC for Unicable ²
Output control signal LNB / multiswitch	Analog, DiSEqC 1.0
Ambient temperature	-10...40°C
Dimensions mm	90 x 148 x 72
EAN-Code	4250157711489
"Made in Germany"	

¹Transmission from input 1 (Slot1) to output
²Standard: EN50494

In-house and post amplifiers

KREILING in-house and post-amplifiers are suitable for the use in BK-installations behind the transfer point or as post-amplifiers in GA and GGA installations. The amplifiers are equipped with a particularly efficient digital switching power supply which enables an extremely economic use with 3 W power consumption.

The amplifiers are equipped with an integrated precompensation slope (distortion correction 6dB) and an integrated level control with max. control range up to -20 dB.

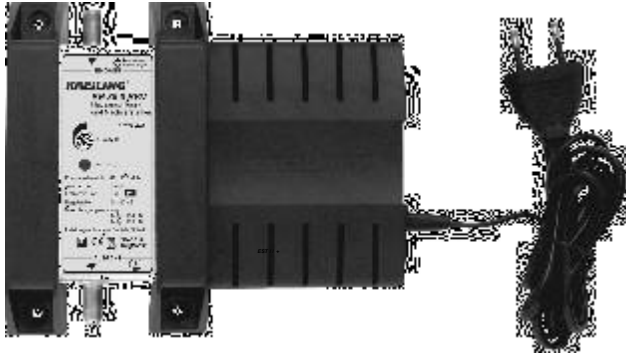
Because of this these amplifiers do have a huge application range and due to the favourable price they are always first choice.



Type	KR 35/0 BKV	KR 30/30 BKV	KR 30/65 BKV
Kind	in-house amplifier	in-house amplifier	in-house amplifier
Inputs	1	1	1
Terrestrial frequency range	47...862	47...862	47...862
SAT frequency range	-	-	-
Subscriber outputs	-	-	-
Trunk outputs	1	1	1
Equaliser int.	6 dB	6 dB	6 dB
Terrestrial gain	x	x	x
Adjustable	0..-20 dB	0..-20 dB	0..-20 dB
Return path - passive	-	5..-30 MHz	5..-30 MHz
QUAD suitable	-	-	-
Stand-by	-	-	-
Cascade stand-by	-	-	-
Gain terr (dB)	35	30	30
Max. output level terr. (dB μ V)	-	-	-
Max. output level IMA 2	104	104	104
Max. output level IMA 3	109	109	109
Gain SAT (dB)	-	-	-
Max. output level SAT (dB μ V)	-	-	-
Slope position	-	-	-
Min. isolation inputs (dB)	-	-	-
Transmission loss trunk (dB)	-	-	-
Remote current (mA)	-	-	-
Max. power consumption (W)	-	-	-
Stand-by power consumption (W)	-	-	-
Mains power supply band	190...240 V 50Hz	190...240 V 50Hz	190...240 V 50Hz
Electricity requirement without LNB (W)	3,0	3,0	3,0
Short circuit proof	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C
Dimensions mm	175 x 148 x 75	175 x 148 x 75	175 x 148 x 75
EAN-Code	4250157709905	4250157709912	4250157709929

KR 35-0 BKV

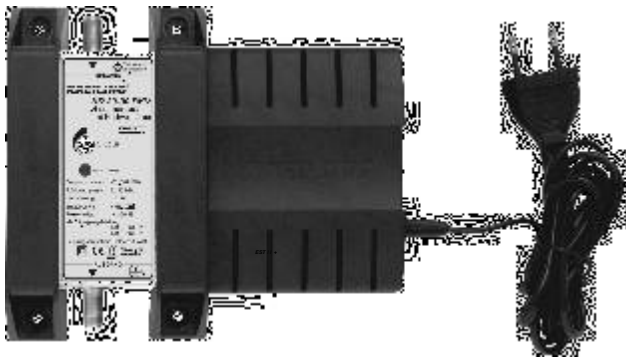
In-house and post amplifier



MADE IN GERMANY

KR 30-30 BKV

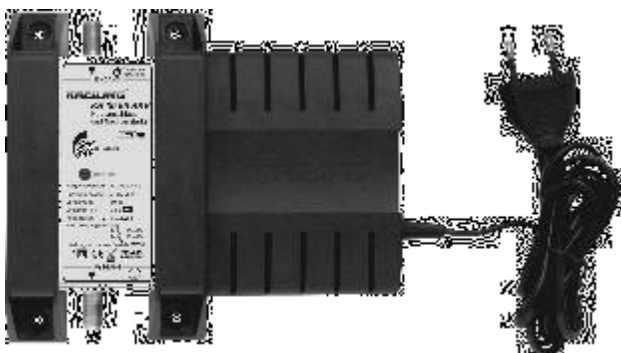
In-house and post amplifier



MADE IN GERMANY

KR 30-65 BKV

In-house and post amplifier



MADE IN GERMANY

Relays

KREILING relays are designed for receiving several satellite positions by single-LNB's to 1 receiver. The relays are switched by DiSEqC-switching pulses from receiver to the required LNB positions. The receiver must be equipped at least with DiSEqC 1.0.

KR 4-1 DR is able to receive 4 satellite programmes. Power is supplied via remote power supply through the antenna cable of the receiver. The inline amplifier KR 20 IL is used as an amplifier for frequency range 950-2200 MHz (SAT-ZF). The amplification in this frequency range is linear 20dB. Power is supplied via remote power supply through the antenna cable of the receiver. The crossover KR EW 30 is equipped with 2 inputs (1 x 5-860 MHz, 1 x 950-2250 MHz) which are united to one output (1 x 5-2250 Mhz). Terrestrial signals are united with a SAT-signal to be continued on a cable. It's possible to transmit up to 500 mA.

Type	KR IL 20	KR EW3	KR DR 20	KR 4-1 DR
Kind	Inline amplifier	Feed-in diplexer	Attenuation controller	DiSEqC relay for 4 Sat-positions
Inputs	1	2	1	4
Frequency range terr. Mhz	-	5..860	-	-
Frequency range SAT Mhz	45...2250	950...2250	45...2300	950...2300
Subscriber outputs	1	1	1	1
Gain SAT [dB]	20	-	-	-
Transmission loss trunk [dB]	-	2	0-20	2
Remote current [mA]	75	-	-	-500 passage
Short circuit proof	x	x	x	x
Ambient temperature	-20...50°C	0...50°C	-20...50°C	-20...50°C
Dimensions mm	82 x 28 x 17	90 x 76 x 28	53 x 50 x 25	85 x 54 x 34
EAN-Code	4250157701329	4250157709981	4250157710383	4250157709868

KR IL 20

Inline-amplifier



KR EW3

Feed-in-diplexer/SAT Terr.



KR DR 20

Attenuation controller



KR 4-1 DR

Relay



Grounding blocks / lightning protection filter

KREILING grounding blocks in HQ version are equipped with high-quality F-socket connector in Cass A+ technology. The versions are equipped with either 5, 9 or 17 double sockets.

Type	KR 2 FEB HQ	KR 5 FEB HQ	KR 9 FEB HQ	KR 17 FEB HQ
Kind	for 2 lines	for 5 lines	for 9 lines	for 17 lines
Outputs	2	5	9	17
Mode of mounting	screwed on	screwed on	screwed on	screwed on
Ground connection	2 clamps	big clamps	big clamps	big clamps
F-jacks	CLASS A	CLASS A	CLASS A	CLASS A
Dimensions mm	85 x 27 x 27	71 x 55 x 50	118 x 55 x 50	205 x 55 x 50
EAN-Code	4250157710239	4250157710079	4250157710062	4250157710055

KR 2 FEB HQ

F-grounding block for 2 lines



KR 5 FEB HQ

F-grounding block for 5 lines



KR 9 FEB HQ

F-grounding block for 9 lines



KR 17 FEB HQ

F-grounding block for 17 lines



FE 02

F-grounding block - inexpensive

F-grounding block
with 2 x socket-socket



BL 2400

Lightning protection filter

- SAT-F overvoltage protection
- 47 - 2400 MHz



Connection cables

KREILING connection cables F 75 HQ are high-class connection cables using highly screened antenna cables for the high quality connection of cascadable components. The cables are offered with Class A+ compression-threaded coupling connector and as jumper-cable with Class A+ Quick-plugs (SC-technology) in various lengths.

Type	F 75 HQ/25	F 75 HQ/45	F 75 HQ/95	F 75 HQ 25 KOMP
Kind	F-cable (Jumper) with SC-plug	F-cable (Jumper) with SC-plug	F-cable (Jumper) with SC-plug	F-cable (Jumper) with threaded coupling connector
Inputs	1	1	1	1
Frequency range GHz	3	3	3	3
Dimensions mm	250	450	950	250
EAN-Code	4250157709998	4250157710000	4250157711984	4250157711991

F 75 HQ / 25 / 45 / 95

Connection cable 120 dB attenuation of shielding (5 pcs)



F 75 HQ 25 KOMP

Connection cable 120 dB attenuation of shielding (5 pcs)



KR 5-8 MKME

Multiswitch for 8 subscribers on assembly plate

KR 5-12 MKME

Multiswitch for 12 subscribers on assembly plate

KR 5-16 MKME

Multiswitch for 16 subscribers on assembly plate

Type	KR 5-8 MKME	KR 5-12 MKME	KR 5-16 MKME Multiswitch cascadable
Kind	Multiswitch	Multiswitch	Multiswitch cascadable
Inputs	5	5	5
Frequency range Terr MHz	47...862	47...862	47...862
Frequency range SAT MHz	950...2300	950...2300	950...2300
Subscriber outputs	8	12	16
Trunk outputs	-	-	5
SAT sloping position	x	x	x
Terr. gain	x	x	x
Adjustable	-	-	-
Quad suitable	x	x	x
1 W switch mode power supply	x	x	x
Stand-by	x	x	x
Cascade Stand-by	-	-	x
Gain terr [dB]	-3..-1	-6..-4	-6..-4
max. output level terr. [dBμV]	83	83	83
max. output level IMA 2	-	-	-
max. output level IMA 3	-	-	-
Gain SAT [dB] (selectable)	-4..+1	-5..+1	Level 1: -6..0 Level 2: -1..5 Level 3: +4..10
max. output level SAT [dBμV]	95	95	95
Sloping position [dB]	5	6	6
Min. isolation inputs [dB]	24	31	31
Transmission loss trunk [dB]	-	-	3
Remote current [mA]	350	650	650
Max. power consumption [W]	11	22	22
Stand-by power consumption [W]	1,0	1,4	1,4
Mains power supply band	190...240V 50Hz	190...240V 50Hz	190...240V 50Hz
Electricity requirement without LNB [W]	4,4	3,6	4,2
Short circuit proof	x	x	x
Ambient temperature	-20...50°C	-20...50°C	-20...50°C
Dimensions multiswitch mm	245 x 148 x 75	360 x 148 x 75	360 x 148 x 75
Dimensions plate in mm	350 x 400	380 x 483	380 x 483
EAN-Code	4250157711908	4250157711960	4250157711977

Complete assembly solutions MKME

To allow the mechanic onsite a quick and complete assembly we offer complete assembly solutions for the most common components

The multiwitches are mounted on a metal plate with wooden substructure. All necessary grounding brackets (inclusion CLASS A+ technology) are also mounted and completely wired.

We offer this solution for 8, 12 and 16 subscribers. The width matches 19 inch.



Abbildung zeigt KR 5-16 MKME



Distribution technology goes 19 inch

Constructors of new, modern buildings are expecting a clean, clear and flexible installation based on network technology.

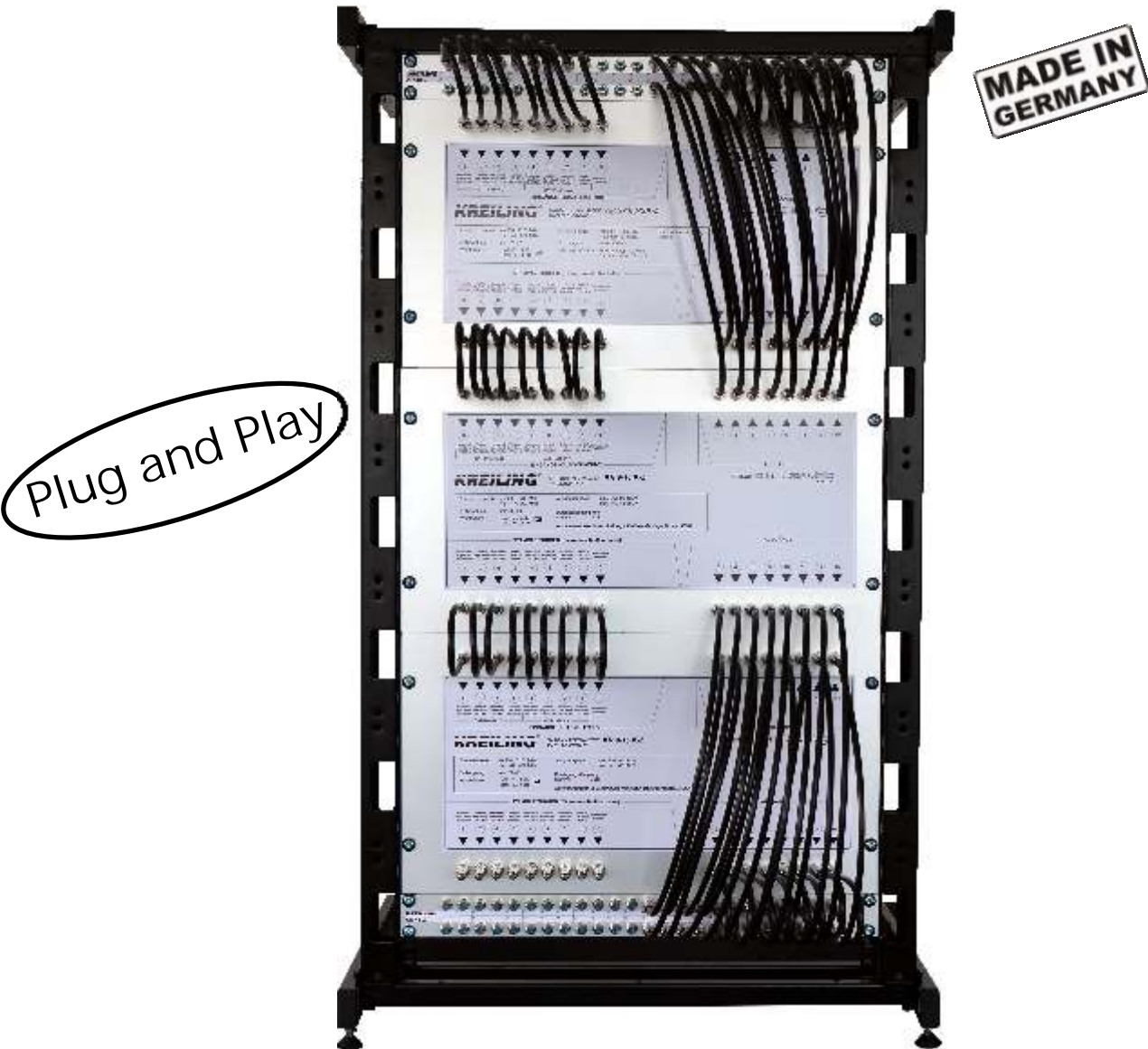
Consistently we offer, with immediate effect, almost all version of our distribution technology completely mounted as 19 inch solutions.

All solutions, apart from the connector blocks (1 U) do have a uniform, solid aluminium base plate with 6 U. These base plates provide the equipotential bonding.

The connection via connection cable and HQ F-sockets is made by Class A+ technology.

In addition to the distribution solutions we also offer connector blocks with 24 or 48 connections as well as blank plates.

Special solutions or mounting of measurement technology is also possible. Don't hesitate to contact us with your special requests.



EXAMPLES

KR 9-16 MSK-Z

Multiswitch, suitable for 16 subscribers, cascadable



Lieferung ohne Befestigungsschrauben

Vorderansicht



Rückansicht

KR 48-Z

Connector block with 48 F-chassis connectors, height 1 U



Lieferung ohne Befestigungsschrauben

KR UNIVERSAL-Z

Universal aluminium-panel 6 U for mounting of KREILING MS components, pre-drilled holes



Lieferung ohne Befestigungsschrauben

KR PROTAB-Z

19 inch aluminium-panel for mounting of ROVER HD PROTAB



Delivery without fastening screws

Assembly examples. (Product overview on continuation page)

All components are mounted on aluminium-panel for assembly in 19-inch cabinets. All components are completely mounted with F-HQ-chassis connectors on the aluminium-panel and connector cables on the back. Grounding by 19-inch cabinet. All components are 6 U high, unless otherwise stated. Delivery without fastening screws.

KR 5-8 MS-Z	Multiswitch suitable for 8 subscribers
KR 5-12 MSK-V-Z	Multiswitch suitable for 12 subscribers, cascadable
KR 5-16 MSK-V-Z	Multiswitch suitable for 16 subscribers, cascadable
KR 5-8 K-V-Z	Cascadable multiswitch-distributor for 8 subscribers
KR 5-16 K-V-Z	Cascadable multiswitch-distributor for 16 subscribers
KR 5-5 BV-Z	Basic device / Amplifier
KR 5-10 BV-Z	Basic device / Amplifier
KR 5-5 BNV-A-Z	Basic device / Amplifier
KR 5-5-5 AZR-Z	Directional coupler for 5 trunks
KR 9-4 MSK-Z	Multiswitch suitable for 4 subscribers, cascadable
KR 9-6 MSK-Z	Multiswitch suitable for 6 subscribers, cascadable
KR 9-8 MSK-Z	Multiswitch suitable for 8 subscribers, cascadable
KR 9-16 MSK-Z	Multiswitch suitable for 16 subscribers, cascadable
KR 9-8 K-Z	Cascadable multiswitch-distributor for 8 subscribers
KR 9-16 K-Z	Cascadable multiswitch-distributor for 16 subscribers
KR 9-9 BNV-A-Z	Basic device / Amplifier
KR 9-9-9 AZR-Z	Directional coupler for 9 trunks
KR 17-4 MSK-Z	Multiswitch suitable for 4 subscribers, cascadable
KR 17-8 MSK-Z	Multiswitch suitable for 8 subscribers, cascadable
KR 17-4 K-Z	Cascadable multiswitch-distributor for 4 subscribers
KR 17-8 K-Z	Cascadable multiswitch-distributor for 8 subscribers
KR 48-Z	Connector block equipped with 48 F-chassis connectors
KR 24-Z	Connector block with 24 F-chassis connectors (24 add. drills)
KR UNIVERSAL-Z	Universal aluminium panel
KR PROTAB-Z	Aluminium panel for mounting ROVER HD PROTAB
KR TAB7-Z	Aluminium panel for mounting ROVER HD TAB7

KR 8-8 SATNET MASTER

LAN coupler / filter

MADE IN GERMANY



LAN coupler/filter in addition to any available multiswitch

- Up to 8 subscribers
- Integrated power supply for remote supply of plug-in modules / active sockets
- Input of network possible

KR SATNET SD 3

3-hole-SAT-socket



3-hole socket for retrofitting/addition of WLAN/LAN by push-in module KR SATNET WLAN 3

- Standard 3-hole socket
- Compatible with hole pattern of common switch producers
- Cost-effective
- Subsequent extension by push-in module

KR SATNET WLAN 3

LAN / WLAN push-in module for socket



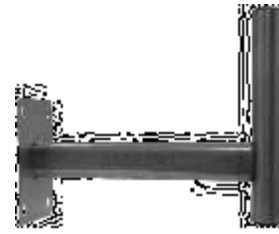
WLAN/LAN push-in module for socket KR SATNET SD 3

- Only for socket KR SATNET SD 3
- LAN connection
- WLAN disconnectable
- WLAN optionally by Accesspoint or WLAN Bridge
- In Bridge-Mode permanent connection to WLAN-Router possible
- In Accesspoint-Mode WLAN Modem connect to a common network (Hand-Over-Mode)
- Power supply by SATNET MASTER, Receiver or separate power supply unit (not included)

ESWA 025 V2A

Stainless steel wall bracket

- Stainless steel-SAT-wall bracket
- For utmost demands and stresses
- Tubing 48 mm
- Base plate 150 x 200 mm
- Wall distance 250 mm
- Mast height 300 mm
- Wind load and TÜV-approved
- Approved for up to 95 cm reflector size
- "Made in Germany"



ESWA 040 V2A

Stainless steel wall bracket

- Wall distance 400 mm
- Further information: see above

SWA 015

Aluminium wall bracket

- Aluminium SAT-Wall bracket, wall distance 150 mm
- Mast height 300 mm
- Anodized and polished
- Base plate 175 x 175 mm
- Tubing 50 mm
- Weight 610 g
- Wind load and TÜV-approved
- Approved for up to 95 cm reflector size
- "Made in Germany"



SWA 025

Aluminium wall bracket

- Aluminium SAT-Wall bracket, wall distance 250 mm
- Weight 710 g
- Further information: see above

SWA 040

Aluminium wall bracket

- Aluminium SAT-Wall bracket, wall distance 400 mm
- Weight 940 g
- Further information: see above

SWA 050

Aluminium wall bracket

- Aluminium SAT-Wall bracket, wall distance 250 mm
- Weight 710 g
- Further information: see above

SWA 5040

Aluminium wall bracket

- Aluminium SAT-Wall bracket, wall distance 500 mm
- Mast height 400 mm
- Weight 1240 g
- Further information: see above

DÜS

Set of screws

- Screws for wall bracket

EDÜS

Set of screws

- Stainless steel screws for wall bracket ESWA



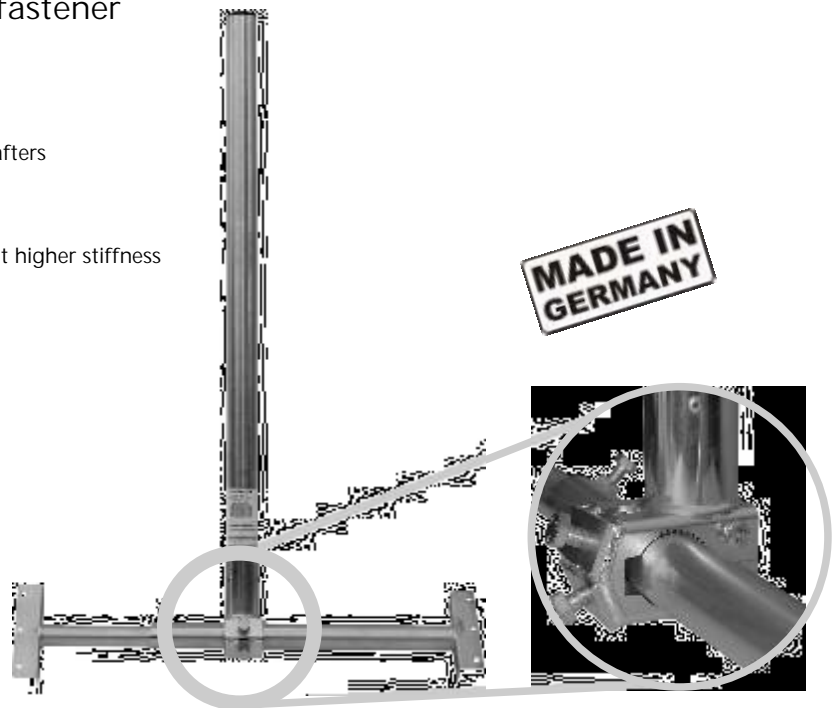
DSS 50110

Rafter fastener

- Easier and faster fitting
- Rafter spacing 50 - 90 cm
- The substructure can be mounted between or on the rafters
- Mast 100 cm , diameter 50 cm
- The mast is open from below to push through cables
- Ground connection
- All components are made of galvanised steel, as a result higher stiffness
- Solid mounting which is patent pending
- Approved for 90 cm reflector size
- Pressed-in, galvanised inside and out
- "Made in Germany"

Equipment available :

- Mast cap MKK 50
- DSS mast extension



DSS 50110 VK

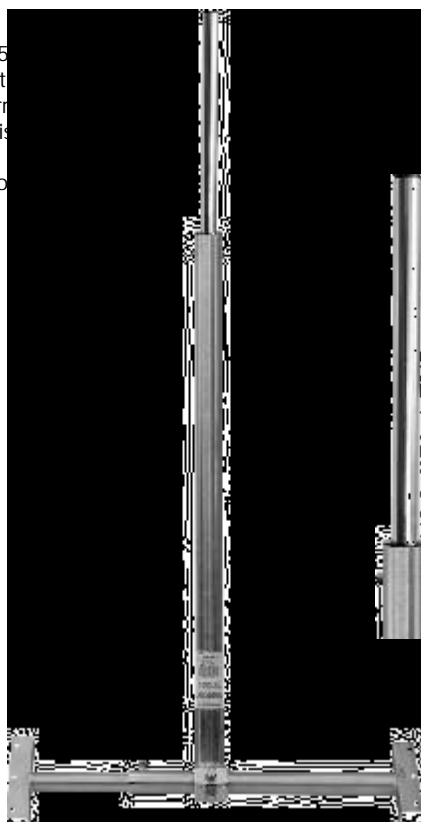
DSS 50110 VK is delivered individually packed in a carton box.

DSS 50140 VK

Rafter fastener with mast extension for 1 additional terr. antenna

DSS 50140 VK corresponds exactly to the structure of DSS 50110 with an auxiliary mast extension of 40 cm. The diameter of the extension is thinner and exclusively used for a additional terrestrial antenna. To keep the transport unit small the upper end of the mast is

DSS 50140 VK is delivered individually packed in a carton box



DSS Mast extension

- Galvanised plug in mast
- Length : 40 cm + 10 cm plug in length
- Exclusively for terrestrial antennas
- For retrofitting to DSS 50110 and ADS 50100
- "Made in Germany"

ADS 50100

Rooftop retainer

Rooftop retainer of galvanised steel for completely boarded roofs and flat roofs.

- Easy to assemble
- Mast 100 cm , diameter 50 cm
- Suitable for boarded roofs up to 65° roof pitch
- Suitable for flat roof installation
- Approved for up to 100 cm reflector size
- Grounding clamp
- Galvanised inside and out
- Rafter distance up to 109 cm
- "Made in Germany"

Available equipment :

- Mast cap MKK 50
- DSS mast extension



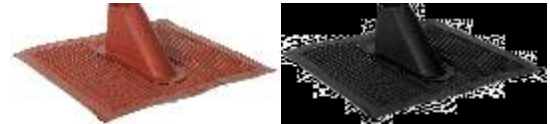
AZ 45 R (brick red)

Aluminium roof tiles

AZ 45 S (black)

- Aluminium plate and Plastic insulator
- Free of heavy metals
- Circumferential weatherproofed tape
- Dimensions: 450 x 400 mm
- Suitable for masts between 38 - 60 mm

Matching : DM 60 black or red



DM 60 (black)

Sealing gasket

DM 60 (red)

- Sealing gasket
- Suitable for tubes up to 60 mm
- Rubber



MKK 50

Mast cap

- Mast cap
- Equipped with cable bushing suitable for up to 18 cables
- Suitable for tubes 42 - 50 mm
- Cap suitable for DSS 50110 and ADA 50100



MK 60

Mast cap 60 mm

- Mast cap
- suitable for tubes up to 60 mm
- Black plastic



MF 60

Mast step 60 mm

- Mast step
- Suitable for tubes up to 60 mm
- Electrogalvanised
- 2 screws 8 x 50 mm



MAS 42

for mast tubes 42 mm

- Mast clamp
- Electrogalvanised
- 2 screws 8 x 50 mm

Mast clamp 42 mm



MAS 50

Mast clamp 50 mm

MAS 60

Mast clamp 60 mm

MAS-FLEX

Mast clamp flexible

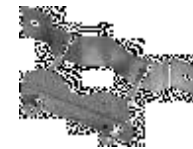
- Universal steel mast clamp
- Electrogalvanised quality steel
- Suitable for masts 38 - 60 mm diameter
- U-mounting bracket 8 mm diameter
- Side clearance 3 - 20 cm



MAS-ROHR

Pipe clamp 60 mm

- Universal steel pipe-clamp
- Hot-dip galvanised quality steel
- Suitable for masts 60 mm diameter



SWS 030

Steel wall spacer set

SWS 050

Wall clearance 260 / 450 mm

- Steel wall spacer set
- Hot-dip galvanised
- Material thickness 30 x 5 mm
- Max. tube diameter : 60 mm



AML 030

Aluminium sidearm

- Aluminium sidearm
- Tube 50 mm
- Pole distance 300 mm
- Height 300 mm
- Turnable mounting bracket
- Polished and anodized
- Weight 1680 g
- Wind load and TÜV approved
- Approved for up to 95 cm reflector size
- " Made in Germany"



SDM 01

Roofmast mounting kit

- Roofmast mounting kit
- Steel rafter fastener
- 2 x cross clamps
- Hot-dip galvanised
- Side length 290 mm
- Mast approx. 200 mm movable
- Suitable for max. 60mm diameter mast



AKA 500

Aluminium cable dispenser

- Aluminium cable dispenser
- 500 x 500 mm
- Suitable for cable coils 100m - 500m
- Rolls ball bearing mounted
- Lifting capacity 250 kg
- Weight 3450 g



KR KAB 100 BE

Cable dispenser

- Steel, powder-coated
- Colour: RAL 5002, blue
- Suitable for cable coil 100m bedea
- 1 coil holder incl.
- Lockable spring bolts to fasten the coils
- Weight 1860 g
- Dimensions: 320 x 210 x 330



KR KAB + 100 BEKATR

Cable dispenser

- Steel, powder-coated
- Colour: RAL 7012, basalt grey
- Suitable for cable coil 100m bedea (Ø 96 mm), Kathrein (Ø 120 mm), Triax (Ø 86 mm)
- 3 coil holders incl.
- Lockable spring bolts to fasten the coils
- Weight 2080 g
- Dimensions: 320 x 210 x 330



ASF 100

Aluminium tripod

- Aluminium tripod
- Tube 50 mm
- Height 1000 mm
- Demountable
- Polished and anodized
- Weight 2080 g
- Wind load and TÜV approved - 120 km/h - 80 cm reflector
- " Made in Germany"



ABS 100

Aluminium balcony stand

- Aluminium balcony stand
- Tube 50 mm
- Height 1000 mm
- Suitable for 500 x 500 mm concrete plate
- Demountable
- Polished and anodized
- Weight 3820 g
- Wind load and TÜV approved
- " Made in Germany"



SUM-LA

Satellite amplitude compass

- Premium Survey Master double instrument compass
- Separate rotating scale for azimuth and elevation measurement



SatDish 26 S

Mirror compass

- Low priced mirror compass for azimuth and elevation setting



SAT-F

SAT-finder

- SAT-finder for SAT-reflector setting
- Mounting between LNB and receiver
- Pointer instrument
- Equipped with audio signal



C 7 CK

Profi-F-compression pliers

- F-compression pliers for compression connectors 7 MM
F 7 CK / F 7 CK gold / F 59 CK / F 7 C
- Heavy high quality design



F-DRMS-4,5 NM

Torque wrench

- Torque wrench suitable for F-plugs
- Torque 4,5 nm
- AH HEX 11mm
- with extended aperture angle for simple attachment on F-Connector
- With a clearly audible "click" when torque is reached



ISO II plus

Insulation stripper

- Double-stage stripping for compression connectors in one step
- F 59 CK, F 7-49/51 KRSELF INSTALL, F7-49/51 KRCOMP
- Insulation stripper for coaxid cable
- Adjusts automatically to 5-7 mm cable diameters
- No analyser setting necessary
- Double stage stripper on inner conductor braid



ISO II Advanced

Insulation stripper

- Double stage insulation stripper
- Preset stripping length 8 mm
- Blades can be fixed to cable types



ISO III Advanced

Insulation stripper

- Three stage insulation stripper
- Preset stripping length 12 mm (8+4 mm)
- Blades can be fixed to cable types



VK 20 D / 1,5 m - 8

Scart cable

VK 20 D / 2,0 m

Scart cable

- 2 x scart plug
- Foil screening
- 21 pol. wired
- 8 mm Ø
- High quality multiway connector



VK 20 D / 1,0 m - 7

Scart cable

VK 20 D / 1,5 m -7

Scart cable

- 2 x scart plug
- Foil screening
- 21 pol. fully wired
- 7 mm Ø
- High quality multiway connector



VK 20 / 1 m | 2 m | 3 m | 5 m

Scart cable

- 2 x scart plug
- Individually shielded (coaxial line)
- 21 pol. fully wired
- 11 mm Ø
- High quality multiway connector



VK 20 F / 1,5 m C

Scart cable 21 pole-wired

- One plug with 3 RCA jacks to receive audio and video signals
- This cable is particularly well suited for the application in entertainment cabinets without cable conduit.



VK 20 / 1,5 m | 2,0 m | 5,0 m Gold

Scart cable gold plated plugs

- 2 x scart plug
- Individually shielded (coaxial line)
- 21 pol. fully wired
- 11 mm Ø
- High quality multiway connector
- Gold plated plugs

**PROFI
LINE**



A 90 RCA SHO

Video-AV scart adapter

- With this adapter e.g. videogames can be connectet by the scart socket to every TV-set
- Use as in- and output by change over switch
- 2 x socket for audio, 1 x video and 1x S Video



FD 75 / 0,2 m

Window bushing

- F-window bushing
- Cable connection through window without drilling
- 2 x F-socket



HDMI-E / 1,5m | 2,0m | 3,0m | 5,0m

HDMI cable

- Premium HDMI connection cable
- HDMI-plugs with gold plated contacts on both sides
- Available : 1,5 m, 2,5 m, 3,5 m, 5,0 m
- Individually packed in polybags



HDMI DVI / 1,5m | 2,5m | 3,5m

HDMI / DVI cable

- Premium HDMI connection cable
- HDMI-plugs with gold plated contacts on both sides : 1 x HDMI, 1 x DVI
- Available : 1,5 m, 2,5 m, 3,5 m
- Individually packed in polybags



HDMIF - DVIM

HDMI / DVI adapter

- Premium HDMI - DVIM adapter plug
- HDMI socket / DVI plug
- Gold plated connection contacts
- Individually packed in polybags



HDMIM - DVIF

HDMI / DVI adapter

- Premium HDMI - DVIF adapter plug
- DVI socket / HDMI plug
- Gold plated connection contacts
- Individually packed in polybags



HDMI / O2

HDMI / DVI adapter

- Premium HDMI adapter socket/socket
- Connector between 2 HDMI cables



C 2 G / 1,5m | 2,5 m

High End cinch cable

- Premium cinch video connection cables
- 1 cinch plug with gold plated contacts and spring as kink protection on both sides
- available in 1,5 m and 2,5 m
- Individually packed in polybags



C 4 G / 1,5m, 2,5 m

High End cinch cable

- Premium cinch audio connection cables
- 2 cinch plugs with gold plated contacts and spring as kink protection on both sides
- Available in 1,5 m and 2,5 m
- Individually packed in polybags



C 6 G / 1,5m, 2,5 m

High End cinch cable

- Premium cinch video/audio connection cable
- 3 cinch plugs with gold plated contacts and spring as kink protection on both sides
- available in 1,5 m and 2,5 m
- Individually packed in polybags



ASK 75 / 1,5 | 2,5 | 3,5 | 5,0 | 7,5 | 10,0 m Z

IEC-connection cable

- Shielding value > 75 dB
- Coaxial plug 9,5 mm / coaxial coupling 9,5 mm
- Double shielded with aluminium foil
- 64 strands braid
- BK-suitable with BZT number
- Colour : white



ASK 75 / 1,5 | 2,5 | 3,5 | 5,0 | 7,5 | 10,0 m ZZ

IEC-connection cable

- Shielding value > 90 dB
- Coaxial plug 9,5 mm / coaxial coupling 9,5 mm
- Double shielded with aluminium foil
- 112 strands braid
- SAT-digital-suitable with BZT number
- BK-suitable with BZT number
- Colour : white



FI 75 / 2 m

Special connection cable

- F / IEC connection cable
- Shielding value > 75 dB
- F-plug / IEC-plug
- Double shielded
- 64 strands braid
- Colour : white



F 75 / 1,5 m | 2,5 m

F-connection cable

- Shielding value > 75 dB
- 2 x F-plug mounted
- Double shielded with aluminium foil
- 112 strands braid
- SAT-digital-suitable
- Colour : white



F 75 / 1,5 m-112 | 2,5 m-112

F-connection cable

- Shielding value > 90 dB
- 2 x F-plug mounted
- Double shielded with aluminium foil
- 112 strands braid
- SAT-digital-suitable
- Colour : white



F 75 Q / 1,5 m-112 | 2,5 m-112

F-connection cable

- Shielding value > 90 dB
- 2 x F- quick plug mounted
- Double shielded with aluminium foil
- 112 strands braid
- SAT-digital-suitable
- Colour : white



Here you will find the suitable plug for your cable :

Plug	Cable Teleass							
	110 M	110 PE	2110 M	101 M	100 M	100 PE	95 M	B 1,1/3,7 -PE
KREILING								
F 7-49 KRCOMP							X	
F 7-51 KRCOMP	X	X	X	X	X	X		
F 7-49 KRSELF I.							X	
F 7-51 KRSELF I.	X	X	X	X	X	X		
F 7 TW	X	X	X		X	X		
F 7 TWQ	X	X	X		X	X		
F 7 TWG	X	X	X		X	X		
F 7 TWGG	X	X	X		X	X		
F 7 C	X	X	X		X	X		
F 10 TW								X
F 59 TW							X	

F 4 TW

F-turning connector

- Metal F-turning connector suitable for coaxial cable \varnothing 4 mm
- 3-ring marker
- Premium thick-walled quality



F 10 TW

F-turning connector

- Metal F-turning connector suitable for 1,1 / 7,3 coaxial underground cable
- Option to adapt from underground cables
- 1,1 / 7,3 to antenna cable with KREILING F02
- Premium quality



F 58 TW

F-turning connector

- Metal F-turning connector suitable for coaxial cable \varnothing 5 mm
- 2-ring marker
- Premium thick-walled quality



F 59 TW

F-turning connector

- Metal F-turning connector suitable for coaxial cable \varnothing 5 mm
- 1-ring marker
- Premium thick-walled quality



F 7 TW/P

F-turning connector

- Metal F-turning connector suitable for coaxial cable \varnothing 6,8 - 7,2 mm
- 0-ring marker
- Inexpensive quality



F 7 TW

F-turning connector

- Metal F-turning connector suitable for coaxial cable \varnothing 6,8 - 7,2 mm
- 0-ring marke
- Premium thick-walled quality



F 7 TWG

F-turning connector

- Metal F-turning connector with rubber band suitable for coaxial cables \varnothing 6,8 - 7,2 mm
- Without ring marker
- Premium thick-walled quality



F 7 TWGG

F-turning connector

- Metal F-turning connector with 2 rubber bands suitable for coaxial cables \varnothing 6,8 - 7,2 mm
- Additional caulking rubber band
- Without ring marker
- Premium thick-walled quality
- Waterproof



F 7 TWQ

Quick-F-turning connector

- Metal Quick-F-turning connector suitable for coaxial cables \varnothing 6,8 - 7,2 mm
- Easy to insert at antenna outlet sockets and multiswitches
- Premium quality with clamping ring
- Fast mounting



F 7 C

F-Crimp connector

- Metal F-crimp connector suitable for cables \varnothing 6,5 - 7,2 mm
- Premium thick-walled quality



F 59 TWQ

Quick-F-turning connector

- Metal Quick-F-turning connector suitable for coaxial cables \varnothing 6,0 mm
- Easy to insert at antenna outlet sockets and multiswitches
- Premium quality with clamping ring
- Fast mounting



F 7-49 KRCOMP

F-compression connector

F 7-51 KRCOMP

F-compression connector

- High quality F-compression connector , 7 mm
- Assembly by compression pliers
- High shielding value > 90 dB
- Easy to assemble, better strain relief
- Waterproof
- Suitable for cables \varnothing dielectric 4,9 mm, such as bedea TELASS 110M, 101M, 100M, 95M and 2110M
- Suitable for cables \varnothing dielectric 5,1 mm, such as bedea TELASS 110-PE and 100-PE



**PROFILE
LINE**

F 7-49 KRSELF INSTALL

F-compression connector

F 7-51 KRSELF INSTALL

F-compression connector

- High quality F-compression connector , 7 mm
- Assembly without tools
- SELF INSTALL
- High shielding value > 90 dB
- Easy to assemble, better strain relief
- Waterproof
- Suitable for cables \varnothing dielectric 4,9 mm, such as bedea TELASS 110M, 101M, 100M, 95M and 2110M
- Suitable for cables \varnothing dielectric 5,1 mm, such as bedea TELASS 110-PE and 100-PE



**PROFILE
LINE**

F 7-QM KRCOMP

F-compression connector

- High quality F-compression connector , 7 mm
- Assembly by compression pliers C 7 CK
- Class A+
- Suitable for PE cables such as bedea Telass 110 PE



IEC 7-51 M KRSELF

IEC-compression connector

- High quality IEC-compression connector, 7mm
- MALE (plug)
- SELF INSTALL technology without pliers
- Class A+
- Suitable for cables Ø dielectric 5,1mm such as bedea Telass 110-M



IEC 7-51 F KRSELF

IEC-compression connector

- High quality IEC-compression connector, 7mm
- FEMALE (socket)
- SELF INSTALL technology without pliers
- Class A+
- Suitable for cables Ø dielectric 5,1mm such as bedea Telass 110-M



F 7-49 SC KRCOMP

F-compression connector

F 7-51 SC KRCOMP

- High quality F-compression connector , 7 mm
- Quick assembly allows a direct plug-in
- Assembly by compression pliers C 7 CK
- Class A+
- Suitable for cables Ø dielectric 4,9 mm
- Suitable for cables Ø dielectric 5,1 mm such as bedea telass 110-M



F 04 HQ

F-elbow

- F-elbow 90°
- High quality HQ
- Plug / socket
- Completely made of metal
- Class A+



FF 7 SC HQ

Metal-adapter

- Metal-adapter F-socket/F-spring connect plug
- High quality HQ
- F-socket / F-spring connect plug
- Completely made of metal
- Class A+



F 02

F-connector

- F-connector metal socket - socket



F 02 HQ

High Quality F-connector

- Gold plated brass tube used as contact
- Blue dielectric
- Suitable up to 3 Ghz



F 03

F-connector

- F-connector metal plug - plug



F 03 Q

F-quick connector

- F-quick connector metal plug - plug
- Quick plug - quick plug



F 04

F-elbow

- F-elbow metal plug - socket



FI 01

F-adapter

- Adapter metal F-plug - IEC-socket



FI 02

F-adapter

- Adapter metal F-plug - IEC-plug



FI 03

F-adapter

- Adapter metal F-socket - IEC-socket



F 24

F-quick adapter

- Quick adapter metal plug - socket
- F-quick plug - F-socket



FB 02

F-quick adapter

- Adapter metal F-socket - BNC-plug



F 02 U

F-quick adapter

- F-connector metal for use in switch box
- F-socket - F-socket
- U-form for switch boxes



F 59 CK

F-compression plug

- F-compression plug
- 7 mm
- High shielding value > 90 dB
- Easy to assemble
- Better strain relief
- Waterproof
- Stripping with ISO-knife block



DB 01

DC-blocker

- DC-blocker
- SAT-DC voltage separator with BZT-number
- Frequency range: 5-2050 MHz
- Transmission loss: 0,5 dB
- Return loss: 15 dB
- F-plug / socket



FA 75

F-terminating resistor

- F-terminating resistor metal 75 ohm



FA 75 DC

F-terminating resistor

- F-terminating resistor metal 75 ohm
- DC decoupled
- Enclosed to KREILING MSK multiswitches
- Used as terminal of cascade trunk lines



ISO-F

Insulating cap

- F-plugs insulating cap



KS 75

IEC-Plug

- IEC-coaxial plug 9,5 mm
- DIN 45325
- Equipped with grub screw
- Colour : white



KK 75

IEC-Coupling

- IEC-coaxial coupling 9,5 mm
- DIN 45325
- Equipped with grub screw
- Colour : white



KS 75 W

IEC-Angle plug

- IEC-coaxial angle plug 9,5 mm
- DIN 45325
- Colour : white



IEC 02

IEC-Connector

- IEC-connector metal socket - socket



KV 75

Coaxial connector

- Coaxial connector
- Screwable inner conductor



K 01

IEC-Distributor

- IEC-TV-two devices-distributor, metal
- Fully shielded with BZT-number
- Plug - plug



K 02

IEC-Distributor

- IEC-TV-two devices-distributor, metal
- Fully shielded with BZT-number
- Socket - socket



VT 2242

F-Distributor 2-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 Mhz
- Transmission loss: VHF 3,2 +/- 0,2 dB | UHF 3,8 +/- 0,2 dB
- Return path suitable 5 - 40 MHz
- Class A



VT 2243

F-Distributor 3-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 Mhz
- Transmission loss: VHF 5,2 +/- 0,2 dB | UHF 3,8 +/- 0,2 dB
- Return path suitable 5 - 40 Mhz
- Class A



VT 2244

F-Distributor 4-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 Mhz
- Transmission loss: VHF 7,0 +/- 0,2 dB | UHF 7,4 +/- 0,4 dB
- Return path suitable 5 - 40 MHz
- Class A



VT 2246

F-Distributor 6-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 Mhz
- Transmission loss: VHF 10,5 dB | UHF 12,0 dB
- Return path suitable 5 - 40 MHz
- Class A



VT 2248

F-Distributor 8-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 Mhz
- Transmission loss: VHF 12,5 dB | UHF 13,5 dB
- Return path suitable 5 - 40 MHz
- Class A



KR UNI Splitter

UNICABLE Splitter

- 2-fold splitter for UNICABLE system
- High-quality blue dielectric
- Attenuation : 4,5 dB max.
- Frequency range: 950 - 2150 Mhz
- Class A



STV 1782

F-Distributor 2-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 2250 MHz
- Dc-outlet
- Transmission loss: VHF/UHF up to 4,5 dB | SAT up to 6,5 dB
- Return path suitable 5 - 60 MHz
- Class A



STV 1783

F-Distributor 3-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 2250 MHz
- Dc-outlet
- Transmission loss: VHF/UHF up to 7,3 dB | SAT up to 11,0 dB
- Return path suitable 5 - 60 MHz
- Class A



STV 1784

F-Distributor 4-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 2250 MHz
- Dc-outlet
- Transmission loss: VHF/UHF up to 8,3 dB | SAT up to 11,5 dB
- Return path suitable 5 - 60 MHz
- Class A



STV 1786

F-Distributor 6-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 2250 MHz
- Dc-outlet
- Transmission loss: VHF/UHF up to 12,1 dB | SAT up to 18,0 dB
- Return path suitable 5 - 60 MHz
- Class A



STV 1788

F-Distributor 8-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 2250 MHz
- Dc-outlet
- Transmission loss: VHF/UHF up to 14,0 dB | SAT up to 18,5 dB
- Return path suitable 5 - 60 MHz
- Class A



AZ 3281 / 12,5

F-Tap single

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 MHz
- Tap loss: 12,5 dB
- Transmission loss
VHF 0,7 dB | UHF 0,8 dB
- Decoupled to prevent hum
- Suitable for return path 5 - 40 MHz
- Class A



AZ 3282 / 12,5

F-Tap 2-fold

- F-plugs are easy to assemble because of large wall distance
- 5 - 1000 MHz
- Tap loss: 12,5 dB
- Transmission loss
VHF 1,5 dB | UHF 1,6 dB
- Decoupled to prevent hum
- Suitable for return path 5 - 40 MHz
- Class A



AZ 3284

F-Tap 4-fold

- 5 - 1000 MHz
- Tap loss: 12,5 - 15,5 dB
- Transmission loss
VHF 3 dB | UHF 4,2 dB
- Decoupled to prevent hum
- Suitable for return path
- Class A



AZ 3286

F-Tap 6-fold

- 5 - 1000 MHz
- Tap loss: 12,5- 17,5 dB
- Transmission loss
VHF 5 dB | UHF 6 dB
- Decoupled to prevent hum
- Suitable for return path
- Class A



AZ 3288

F-Tap 8-fold

- 5 - 1000 MHz
- Tap loss: 12 - 19 dB
- Transmission loss
VHF 8 dB | UHF 8 dB
- decoupled to prevent hum
- Suitable for return path
- Class A



SAT SD 2 / Class A

2-hole-sub socket

- Single socket at multiswitch operation
- 5 - 2400 MHz
- Digital-return path-special channel-suitable
- 1 output for TV/ SAT
- 1 output for radio
- DC outlet
- Tap loss 1 dB
- Shielding value > 90 dB
- Special channel S2 / S3 suitable/>



SAT DD 2 / Class A

2-hole-sub socket

- Twinhole-pass-through socket for multiswitch operation
- 5 - 2400 MHz
- Digital-return path-special channel-suitable
- 1 output for TV/ SAT/ RF
- 1 output for radio/ TV/ SAT
- Transmission loss 1,5 dB
- Tap loss 14 dB
- Shielding value > 90 dB
- Special channel S2 / S3 suitable



SAT SD 3uk / Class A

3-hole-sub socket

- Single socket at multiswitch operation
- Equipped with cover plate
- 5 - 2400 MHz
- Digital-return path-special channel-suitable
- Outputs for TV/ SAT/ radio
- Dc outlet
- Tap loss 3 dB
- Colour: white
- Shielding value > 90 dB



SAT DD 3 / Class A

3-hole-pass-through socket

- 5 - 2400 MHz
- Tap loss 12,5 dB
- Transmission loss 2 dB
- Digital-return path -special channel-suitable
- Outputs for TV/ SAT/ radio
- Shielding value > 90 dB
- DC-pass through
- UNICABLE suitable



SAT SD 4k / Class A

4-hole-sub socket

- Suitable for single or twin connection
- Completely equipped with cover plate and surface frame white
- 5 - 2400 MHz
- Digital-return path-special channel-suitable
- Dc outlet
- Tap loss 4 dB
- Shielding value > 90 dB



BK SD 2 / Class A

2-hole sub- or single socket

- For single-, GA-, BK-systems
- 5 -860 MHz
- Digital-return path-special channel-suitable
- Tap loss:
FM/VHF III 1 dB | UHF IV/V 1 dB
- Shielding value > 90 dB
- Special channel S2 / S3 suitable
- DC-through pass for active terrestrial antennas



BK DD 2 / Class A

2-hole-pass-through socket

- Suitable for single-, GA and BK systems
- 5 - 860 MHz
- Digital-return path-special channel-tauglich
- Tap loss: 11 dB
- Transmission loss:
FM/VHF III 1 dB | UHF IV/V 1,3 dB
- Shielding value > 90 dB
- Special channel S2 / S3 suitable



AP 2

Cover plate 2-fold

- Colour : white



AP 3

Cover plate 3-fold

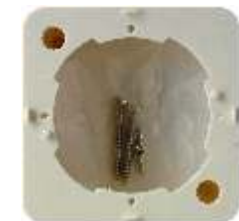
- Colour : white



APRA

Surface frame (empty)

- Colour : white



AW 75

Terminating resistor

- Terminating resistor for antenna outlet sockets



AW 75 DC

Terminating resistor

- Terminating resistor for antenna outlet sockets
- DC-decoupled



UKW Radial Antenna

VHF Antenna

- Omnidirectional antenna for VHF-reception
- Premium design
- Terr. frequency range : 87,5-108 Mhz
- Equipped with F-connector
- Material: aluminium
- Max. mast diameter : 50 mm
- Content: antenna + ISO- F
- Diameter: 45 cm
- Antenna can be sloped up to 45°
- Gain: -2 dB



DVB-T Set

DVB-T Antenna set

- DVB-T antenna with integrated amplifier
- Terr. frequency range : 172..862 Mhz
- Channel range : band 3 to 5 / K 5 -69
- Reception range : VHF/UHF
- 1 x F-socket for antenna connection
- Logarithmic-periodic construction
- Material: aluminium
- Max. mast diameter : 50 mm
- Many installation options because of compact size
- Dimension antenna : 620x340x60 mm
- Terr. amplifier covered against weather
- 5 volts power supply
- Terr. amplifier at 5 V : 25 dB +- 2 dB
- Adjustable: -15 dB
- 5 volts power supply by receiver



ZA 30 FL

Indoor Antenna

- DVB-T antenna
- VHF / UHF / VHE - reception with amplifier
- 40 - 860 Mhz
- Amplifier (29 dB)
- Input for house antenna
- On / off switch
- Controller (attenuation)
- Colour: black
- 12 volts socket
- 230 volts power supply



ZA ST

Indoor Antenna

- Rod antenna for DVB-T receiver
- Telescope extendable sixfold
- Indoor reception for core area of broadcasting station

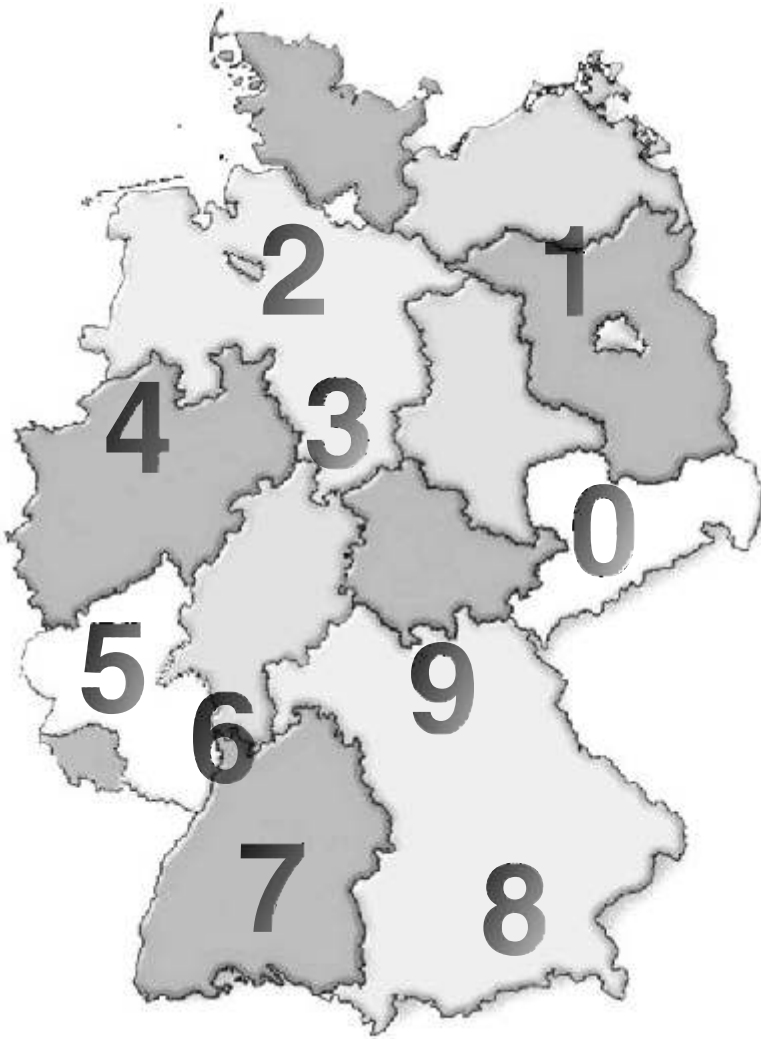


ZA-Flat-P

Flat-Antenna

- Flat-antenna H/V without amplification
- Indoor reception for core area of broadcasting station





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Distribution technology Made in Germany



Based on the classic PROFILINE concept - to offer highest quality for the installing craft in conjunction with an attractive price-performance ratio - the KREILING multiswitch line was developed.

Features of KREILING distribution technology:

- Energy saving switch-mode power supply with approx. 1 watt stand-by power and low consumption by ESP II + - technology
- Compact multiswitches, cascadable switches and devices are equipped with stand-by circuit when receivers are not supplied with voltage
- Low heat generation
- Performance optimized TERR and SAT amplifier with up to 6 dB precompensating slope
- High maximum output power
- QUATTRO + QUAD LNB supply voltage
- High remote supply voltage for LNB
- High isolation
- Riveted F-jacks
- Ground clamp
- Made in Germany



KREILING®

New **UNICABLE** components for every use with automatic level control for subscriber outputs.

NEW!

Standard Components with UNICABLE and 4 Legacy outputs

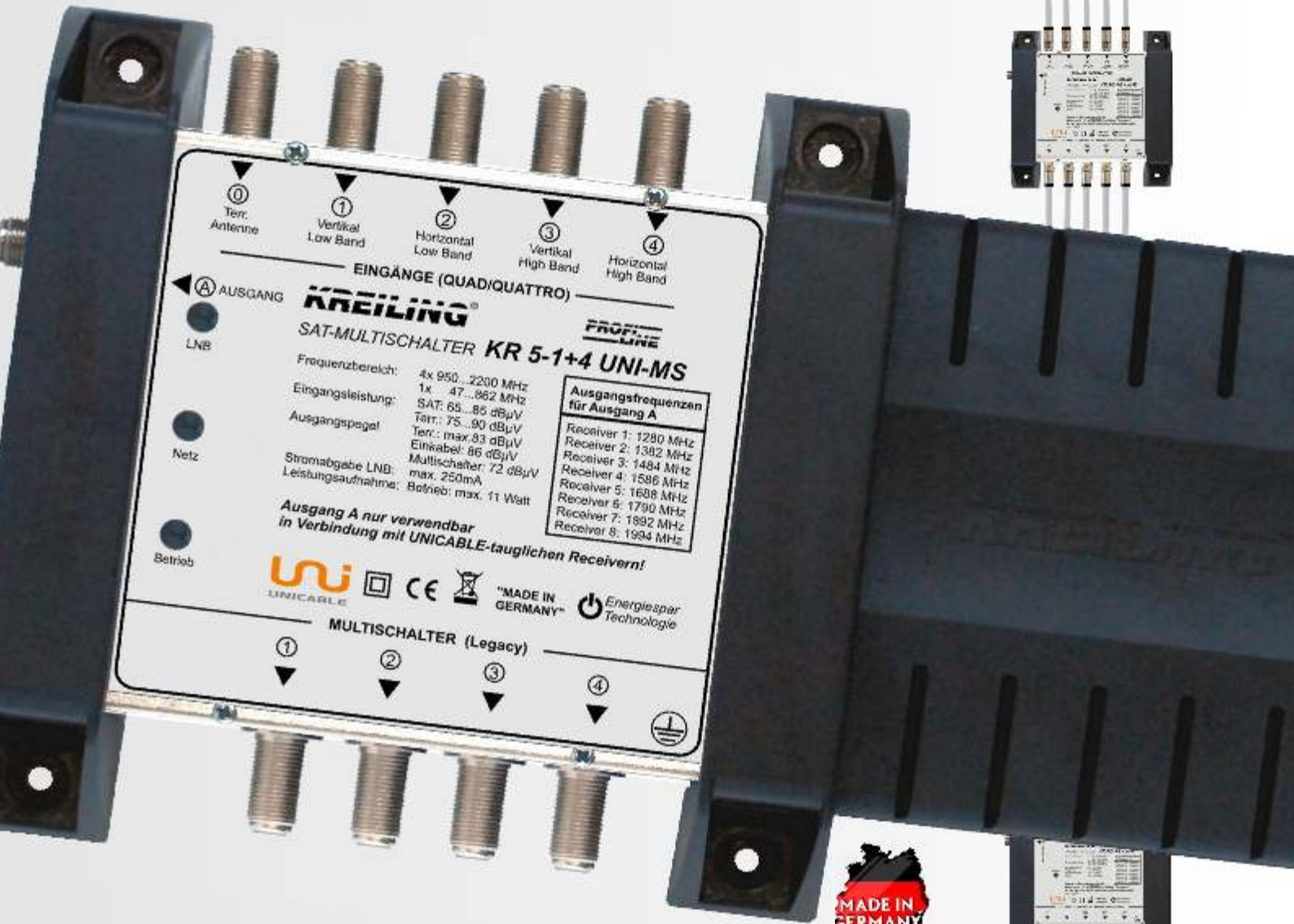
- ✓ KR 5-1+4 UNI-MS
- ✓ KR 5-2+4 UNI-MS

Cascadable Components with power supply and UNICABLE

- ✓ KR 5-5-2-4 UNI-MSK
- ✓ KR 5-5-1-8 UNI-MSK

Cascadable Components without power supply and UNICABLE

- ✓ KR 5-5-2-4 UNI-K
- ✓ KR 5-5-1-8 UNI-K



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