



Catalog

Reception technology 2018

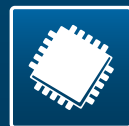


Perfect technology
for highest demands

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WISI antennas:

Perfect reception at every weather

Corrosion-resistant
aluminum reflector,
powder-coated

for a discreet installation
available in **three colours**

Reinforced back panel
for more stability

easy mounting
of the reflector thru
suspension unit

Feed holder made of
die cast aluminum

Cable management
for aesthetic assembly





Satellite Receiving Systems

Communication defines our everyday life, informs us, imparts knowledge and experience. It supports our understanding and helps us solving problems.

WISI's highly-motivated staff is fully committed to provide you with the state-of-the-art technology for communication today and tomorrow.

WISI TOPLINE antennas are rustproof and completely weatherproof. Due to the excellent material and precise manufacturing, the antennas do not warp even with extreme temperature fluctuations. This guarantees a top picture quality in almost all weather conditions.

Of course WISI TOPLINE antennas are extremely easy to install, highly resilient, durable, recyclable and designed for modern technologies. So simply the best that WISI have to offer in antenna technology.

upgradeable with
**optional multifeed
bar** for up to 4 LNBs



**GOLD PLATED
CONNECTIONS
FOR A BETTER CONTACT**

WISI feed systems can be used with all antennas that have a 40 mm feed mount. They are easy to adjust and also suitable with Duo Feed mounts for the reception of ASTRA and EUTELSAT.

WISI feed systems are characterized by a high linear performance over the complete frequency range. They have a low-noise and are energy-saving. Each WISI feed system gets a final inspection in the laboratory - for a long untroubled reception.

The special construction and tie-down weather protection cap provide protection against all weather conditions, even after many years.

Multiswitch 5 inputs, cascade

DRC 0508

FLEXSWITCH multiswitch 5 in 8, cascade, TERR. active



The DRC 0508 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0508 is realised through an active terrestrial and satellite path. The LNB can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...2 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Through loss TERR	2 dB (±1 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	3...0 dB
Insertion TERR	0 dB (±3 dB)
Max. output level subscriber SAT	102 dBµV
Max. output level subscriber TERR	84 dBµV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	35 mA
Connectors	
F-socket	18 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0508, DRC 0512, DRC 0516, DRC 0524, DRC 0532
Weight	0.38 kg
Dimensions (width x height x depth)	140 x 140 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 5 inputs, cascade



DRC 0512

FLEXSWITCH multiswitch 5 in 12, cascade, TERR. active



The DRC 0512 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 12 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0512 is realised through an active terrestrial and satellite path. The LNB can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Through loss TERR	3 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	12 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	4...1 dB
Insertion TERR	0 dB (± 3 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	84 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	35 mA
Connectors	
F-socket	22 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0508, DRC 0512, DRC 0516, DRC 0524, DRC 0532
Weight	0.54 kg
Dimensions (width x height x depth)	220 x 140 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 5 inputs, cascade

DRC 0516

FLEXSWITCH multiswitch 5 in 16, cascade, TERR. active



The DRC 0516 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0516 is realised through an active terrestrial and satellite path. The LNB can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Through loss TERR	3 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	4...1 dB
Insertion TERR	0 dB (± 3 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	84 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	35 mA
Connectors	
F-socket	26 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0508, DRC 0512, DRC 0516, DRC 0524, DRC 0532
Weight	0.56 kg
Dimensions (width x height x depth)	220 x 140 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 5 inputs, cascade



DRC 0524

FLEXSWITCH multiswitch 5 in 24, cascade, TERR. active



The DRC 0524 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 24 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0524 is realised through an active terrestrial and satellite path. The LNB can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...6 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Through loss TERR	2 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	24 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	6...0 dB
Insertion TERR	2 dB (± 2 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	91 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	35 mA
Connectors	
F-socket	34 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<5 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0508, DRC 0512, DRC 0516, DRC 0524, DRC 0532
Weight	0.64 kg
Dimensions (width x height x depth)	240 x 140 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 5 inputs, cascade

DRC 0532

FLEXSWITCH multiswitch 5 in 32, cascade, TERR. active



The DRC 0532 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 32 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0532 is realised through an active terrestrial and satellite path. The LNB can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...6 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Through loss TERR	2 dB (±2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	32 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	6...0 dB
Insertion TERR	2 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	91 dBμV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	35 mA
Connectors	
F-socket	42 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<5 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0508, DRC 0512, DRC 0516, DRC 0524, DRC 0532
Weight	0.68 kg
Dimensions (width x height x depth)	240 x 140 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 5 inputs, receiver powered



DRR 0508

FLEXSWITCH multiswitch, receiver power, 5 in 8



KLASSE
A
CLASS

The DRR 0508 is a receiver powered multiswitch with five inputs for the distribution of one satellite and terrestrial signals. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRR 0508 is realised through an active satellite path. Through the passive terrestrial path, it is possible to feed in multimedia services like "LAN over Coax" or signals from a headend system. The LNB is powered by the switching voltage of the connected receivers and an additional power supply is not required, which reduces the operating costs.

Technical data

SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	0...-5 dB
Insertion TERR	18 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	13 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	receiver powered
Power consumption max.	<0,5 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C

Technical data

Weight	0.24 kg
Dimensions (width x height x depth)	130 x 110 x 45 mm

characteristics

- Receiver powered multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Power supply-free usage
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, receiver powered

DRR 0516

FLEXSWITCH multiswitch, receiver power, 5 in 16



The DRR 0516 is a receiver powered multiswitch with five inputs for the distribution of one satellite and terrestrial signals. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRR 0516 is realised through an active satellite path. Through the passive terrestrial path, it is possible to feed in multimedia services like "LAN over Coax" or signals from a headend system. The LNB is powered by the switching voltage of the connected receivers and an additional power supply is not required, which reduces the operating costs.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	1...-4 dB
Insertion TERR	24 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	21 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	receiver powered
Power consumption max.	<0,5 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C

Technical data	
Weight	0.4 kg
Dimensions (width x height x depth)	215 x 110 x 45 mm

characteristics

- Receiver powered multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Power supply-free usage
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, stand alone



DRS 0516

FLEXSWITCH multiswitch 5 in 16, stand alone



The DRS 0516 is a stand alone multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The stand alone device is equipped with an integrated power supply which ensures the LNB powering. Additionally integrated is a 22 KHz generator which allows the usage of Quad-LNBs. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRS 0516 is realised through an active terrestrial and satellite path.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	1...-4 dB
Insertion TERR	2 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	84 dBμV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	21 pcs.
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Quad LNB support	Yes
LNB supply voltage	14 V/18 V (22 kHz)
Current consumption LNB	max. 500 mA
Operating voltage	90...264 V AC, 50/60 Hz
Power consumption max.	5.5 W typ.
Screening factor	Class A, according to EN 50083-2

Technical data	
Impedance	75 Ω
Operating temperature range	0...+55 °C
Weight	0.64 kg
Dimensions (width x height x depth)	310 x 110 x 57 mm

characteristics

- Stand alone multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Quad-LNB support
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, stand alone

DRS 0508

FLEXSWITCH multiswitch 5 in 8, stand alone



The DRS 0508 is a stand alone multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The stand alone device is equipped with an integrated power supply which ensures the LNB powering. Additionally integrated is a 22 KHz generator which allows the usage of Quad-LNBs. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRS 0508 is realised through an active terrestrial and satellite path.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	0...-5 dB
Insertion TERR	2 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	90 dBμV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	13 pcs.
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Quad LNB support	Yes
LNB supply voltage	14 V/18 V (22 kHz)
Current consumption LNB	max. 500 mA
Operating voltage	90...264 V AC, 50/60 Hz
Power consumption max.	5.5 W typ.
Screening factor	Class A, according to EN 50083-2

Technical data	
Impedance	75 Ω
Operating temperature range	0...+55 °C
Weight	0.46 kg
Dimensions (width x height x depth)	222 x 110 x 57 mm

characteristics

- Stand alone multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Quad-LNB support
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, stand alone



DRS 0512

FLEXSWITCH multiswitch 5 in 12, stand alone



The DRS 0512 is a stand alone multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The stand alone device is equipped with an integrated power supply which ensures the LNB powering. Additionally integrated is a 22 KHz generator which allows the usage of Quad-LNBs. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 12 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRS 0512 is realised through an active terrestrial and satellite path.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	12 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	1...-4 dB
Insertion TERR	2 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	84 dBμV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	17 pcs.
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Quad LNB support	Yes
LNB supply voltage	14 V/18 V (22 kHz)
Current consumption LNB	max. 500 mA
Operating voltage	90...264 V AC, 50/60 Hz
Power consumption max.	5.5 W typ.
Screening factor	Class A, according to EN 50083-2

Technical data	
Impedance	75 Ω
Operating temperature range	0...+55 °C
Weight	0.62 kg
Dimensions (width x height x depth)	310 x 110 x 57 mm

characteristics

- Stand alone multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Quad-LNB support
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, stand alone

DRS 0524

FLEXSWITCH multiswitch 5 in 24, stand alone



The DRS 0524 is a stand alone multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The stand alone device is equipped with an integrated power supply which ensures the LNB powering. Additionally integrated is a 22 KHz generator which allows the usage of Quad-LNBs. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 24 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRS 0524 is realised through an active terrestrial and satellite path.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	24 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	5...0 dB
Insertion TERR	2 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	84 dBμV
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	29 pcs.
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Quad LNB support	Yes
LNB supply voltage	14 V/18 V (22 kHz)
Current consumption LNB	max. 500 mA
Operating voltage	90...264 V AC, 50/60 Hz
Power consumption max.	7 W typ.
Screening factor	Class A, according to EN 50083-2

Technical data	
Impedance	75 Ω
Operating temperature range	0...+55 °C
Weight	0.86 kg
Dimensions (width x height x depth)	324 x 140 x 63 mm

characteristics

- Stand alone multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Quad-LNB support
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 5 inputs, stand alone



DRS 0532

FLEXSWITCH multiswitch 5 in 32, stand alone



The DRS 0532 is a stand alone multiswitch with five inputs for the distribution of one satellite and terrestrial signals. The stand alone device is equipped with an integrated power supply which ensures the LNB powering. Additionally integrated is a 22 KHz generator which allows the usage of Quad-LNBs. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 32 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRS 0532 is realised through an active terrestrial and satellite path.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	40... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	32 pcs.
Frequency range	40...2400 MHz
TERR type	active
Insertion loss SAT	5...0 dB
Insertion TERR	2 dB (± 2 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	84 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	30 mA
Connectors	
F-socket	37 pcs.
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Quad LNB support	Yes
LNB supply voltage	14 V/18 V (22 kHz)
Current consumption LNB	max. 500 mA
Operating voltage	90...264 V AC, 50/60 Hz
Power consumption max.	7 W typ.
Screening factor	Class A, according to EN 50083-2

Technical data	
Impedance	75 Ω
Operating temperature range	0...+55 °C
Weight	0.9 kg
Dimensions (width x height x depth)	324 x 140 x 63 mm

characteristics

- Stand alone multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Quad-LNB support
- Active terrestrial path to distribute DVB-T/T2, DAB and FM without an additional amplifier
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 9 inputs, cascade

DRC 0908

FLEXSWITCH multiswitch 9 in 8, cascade, TERR. passive



The DRC 0908 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0908 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2400 MHz
Through loss SAT	1 dB (± 1 dB)
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	2 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	0...2 dB
Insertion TERR	24 dB (± 2 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	50...110 dB μ V (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	45 mA
Connectors	
F-socket	17 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0908, DRC 0912, DRC 0916, DRC 0924, DRC 0932
Weight	0.52 kg
Dimensions (width x height x depth)	136 x 202 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 9 inputs, cascade



DRC 0912

FLEXSWITCH multiswitch 9 in 12, cascade, TERR. passive



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The DRC 0912 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 12 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0912 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data

SAT-IF trunk

Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2400 MHz
Through loss SAT	1...3 dB (± 2 dB)
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	4 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB

Subscriber outputs

Outputs	12 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	28 dB (± 3 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	50...110 dB μ V (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	45 mA

Connectors

F-socket	21 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow

General data

Power indicator	LED
Operating voltage	15 V DC

Technical data

Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0908, DRC 0912, DRC 0916, DRC 0924, DRC 0932
Weight	0.7 kg
Dimensions (width x height x depth)	190 x 203 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 9 inputs, cascade

DRC 0916

FLEXSWITCH multiswitch 9 in 16, cascade, TERR. passive



The DRC 0916 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0916 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2400 MHz
Through loss SAT	4 dB (± 2 dB)
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	-2 dB (± 2 dB)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	28 dB (± 3 dB)
Max. output level subscriber SAT	102 dB μ V
Max. output level subscriber TERR	50...110 dB μ V (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	45 mA
Connectors	
F-socket	25 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0908, DRC 0912, DRC 0916, DRC 0924, DRC 0932
Weight	0.72 kg
Dimensions (width x height x depth)	190 x 203 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 9 inputs, cascade



DRC 0924

FLEXSWITCH multiswitch 9 in 24, cascade, TERR. passive



The DRC 0924 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 24 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0924 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	4...6 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	24 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	33 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	45 mA
Connectors	
F-socket	33 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0908, DRC 0912, DRC 0916, DRC 0924, DRC 0932
Weight	1.14 kg
Dimensions (width x height x depth)	308 x 205 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 9 inputs, cascade

DRC 0932

FLEXSWITCH multiswitch 9 in 32, cascade, TERR. passive



The DRC 0932 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 32 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 0932 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	4...6 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	32 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	32 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	45 mA
Connectors	
F-socket	41 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 0908, DRC 0912, DRC 0916, DRC 0924, DRC 0932
Weight	1.16 kg
Dimensions (width x height x depth)	308 x 205 x 63 mm

characteristics

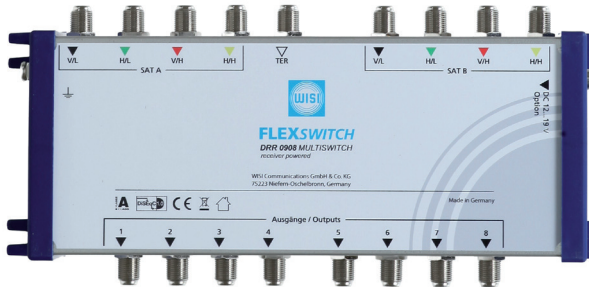
- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 9 inputs, receiver powered



DRR 0908

FLEXSWITCH multiswitch, receiver power, 9 in 8



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CLASS

The DRR 0908 is a receiver powered multiswitch with nine inputs for the distribution of two satellite and terrestrial signals. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRR 0908 is realised through an active satellite path. Through the passive terrestrial path, it is possible to feed in multimedia services like "LAN over Coax" or signals from a headend system. The LNB is powered by the switching voltage of the connected receivers and an additional power supply is not required, which reduces the operating costs.

Technical data

SAT-IF trunk

Inputs SAT	8 pcs.
Frequency range SAT	950... 2400 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	>10 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	>10 dB

Subscriber outputs

Outputs	8 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	4...-2 dB
Insertion TERR	15 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	56 mA

Connectors

F-socket	17 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow

General data

Power indicator	LED
Operating voltage	receiver powered
Power consumption max.	<1 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C

Technical data

Weight	0.48 kg
Dimensions (width x height x depth)	230 x 110 x 63 mm

characteristics

- Receiver powered multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Power supply-free usage
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs
- Made in Germany

Multiswitch 13 inputs, cascade

DRC 1308

FLEXSWITCH multiswitch 13 in 8, cascade, TERR. passive



The DRC 1308 is a cascadable multiswitch with 13 inputs for the distribution of three satellites and terrestrial signals. The polarisations are available at 13 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1308 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Outputs SAT	12 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...2 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...3 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	4...0 dB
Insertion TERR	24 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	21 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1308, DRC 1312, DRC 1316, DRC 1324, DRC 1332
Weight	0.72 kg
Dimensions (width x height x depth)	130x 290 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 12 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 13 inputs, cascade



DRC 1312

FLEXSWITCH multiswitch 13 in 12, cascade, TERR. passive



The DRC 1312 is a cascadable multiswitch with 13 inputs for the distribution of three satellites and terrestrial signals. The polarisations are available at 13 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 12 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1312 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Outputs SAT	12 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...3 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	12 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	3...0 dB
Insertion TERR	28 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	25 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1308, DRC 1312, DRC 1316, DRC 1324, DRC 1332
Weight	0.98 kg
Dimensions (width x height x depth)	189 x 291 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 12 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 13 inputs, cascade

DRC 1316

FLEXSWITCH multiswitch 13 in 16, cascade, TERR. passive



The DRC 1316 is a cascadable multiswitch with 13 inputs for the distribution of three satellites and terrestrial signals. The polarisations are available at 13 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1316 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Outputs SAT	12 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...3 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	3...0 dB
Insertion TERR	28 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	29 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1308, DRC 1312, DRC 1316, DRC 1324, DRC 1332
Weight	1.04 kg
Dimensions (width x height x depth)	189 x 291 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 12 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 13 inputs, cascade



DRC 1324

FLEXSWITCH multiswitch 13 in 24, cascade, TERR. passive



The DRC 1324 is a cascadable multiswitch with 13 inputs for the distribution of three satellites and terrestrial signals. The polarisations are available at 13 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 24 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1324 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Outputs SAT	12 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...5 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	3...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	24 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	33 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	37 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1308, DRC 1312, DRC 1316, DRC 1324, DRC 1332
Weight	1.52 kg
Dimensions (width x height x depth)	310 x 293 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 12 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 13 inputs, cascade

DRC 1332

FLEXSWITCH multiswitch 13 in 32, cascade, TERR. passive



The DRC 1332 is a cascadable multiswitch with 13 inputs for the distribution of three satellites and terrestrial signals. The polarisations are available at 13 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 32 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1332 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Outputs SAT	12 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...5 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	3...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	32 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	33 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50... 110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	45 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1308, DRC 1312, DRC 1316, DRC 1324, DRC 1332
Weight	1.52 kg
Dimensions (width x height x depth)	310 x 293 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 12 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 17 inputs, cascade



DRC 1708

FLEXSWITCH multiswitch 17 in 8, cascade, TERR. passive



The DRC 1708 is a cascadable multiswitch with 17 inputs for the distribution of four satellites and terrestrial signals. The polarisations are available at 17 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1708 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...2 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...3 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	24 dB (±2 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	25 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1708, DRC 1712, DRC 1716, DRC 1724, DRC 1732
Weight	0.76 kg
Dimensions (width x height x depth)	130 x 290 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 17 inputs, cascade

DRC 1712

FLEXSWITCH multiswitch 17 in 12, cascade, TERR. passive



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The DRC 1712 is a cascadable multiswitch with 17 inputs for the distribution of four satellites and terrestrial signals. The polarisations are available at 17 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 12 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1712 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...3 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	12 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	3...0 dB
Insertion TERR	28 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	29 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1708, DRC 1712, DRC 1716, DRC 1724, DRC 1732
Weight	1 kg
Dimensions (width x height x depth)	189 x 291 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 17 inputs, cascade



DRC 1716

FLEXSWITCH multiswitch 17 in 16, cascade, TERR. passive



The DRC 1716 is a cascadable multiswitch with 17 inputs for the distribution of four satellites and terrestrial signals. The polarisations are available at 17 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1716 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	1...3 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	2...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	3...0 dB
Insertion TERR	28 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	33 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1708, DRC 1712, DRC 1716, DRC 1724, DRC 1732
Weight	1.02 kg
Dimensions (width x height x depth)	189 x 291 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 17 inputs, cascade

DRC 1724

FLEXSWITCH multiswitch 17 in 24, cascade, TERR. passive



The DRC 1724 is a cascadable multiswitch with 17 inputs for the distribution of four satellites and terrestrial signals. The polarisations are available at 17 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 24 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1724 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...5 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	3...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	24 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	33 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	41 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1708, DRC 1712, DRC 1716, DRC 1724, DRC 1732
Weight	1.54 kg
Dimensions (width x height x depth)	310 x 293 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Multiswitch 17 inputs, cascade



DRC 1732

FLEXSWITCH multiswitch 17 in 32, cascade, TERR. passive



The DRC 1732 is a cascadable multiswitch with 17 inputs for the distribution of four satellites and terrestrial signals. The polarisations are available at 17 cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 32 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The very low insertion loss of the DRC 1732 is realised through an active satellite path. Through the passive terrestrial path it is possible to feed in multimedia services like "LAN over Coax", or signals from a central headend system. The LNBs can be powered by previously installed amplifiers, or the available power supply DRP 1533.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950... 2400 MHz
Through loss SAT	2...6 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	> 10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	3...5 dB
Isolation TERR - SAT	30 dB typ.
Return loss TERR	> 10 dB
Subscriber outputs	
Outputs	32 pcs.
Frequency range	5...2400 MHz
TERR type	Passive
Insertion loss SAT	2...0 dB
Insertion TERR	33 dB (±3 dB)
Max. output level subscriber SAT	102 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 1.0
Current consumption from receiver	55 mA
Connectors	
F-socket	49 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	15 V DC

Technical data	
Power consumption max.	< 0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...70 °C
Cascadable with	DRC 1708, DRC 1712, DRC 1716, DRC 1724, DRC 1732
Weight	1.58 kg
Dimensions (width x height x depth)	310 x 293 x 63 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Passive terrestrial path
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- Terrestrial signals available at the receiver without any power supply of the multiswitch
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F-connectors
- Colour-coded inputs and outputs
- Made in Germany

Amplifiers

DRA 0505

FLEXSWITCH line amplifier, for one satellite



The DRA 0505 is an amplifier for 4 polarizations of one satellite and terrestrial signals. With a gain of 26 dB the DRA 0505 is optimally suited for use as line amplifier in multi-switch cascades. The gain can be individually reduced by 10 dB at each input, in order to compensate differences in level between the individual polarizations. The supply voltage can be realized either locally, through the optional power supply DRP 1533 or via remote power at the trunk lines.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT	22...26 dB
Attenuation SAT	0...10 dB
Max. output level SAT	116 dB μ V (IMA3)
Equalization SAT	4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	12 dB
Noise figure	8 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	10...862 MHz
Gain TERR	20 dB
Attenuation TERR	0...10 dB
Max. output level TERR	110 dB μ V (IMA3)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	12 dB
Noise figure	5 dB
Connectors	
F-socket	10 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
General data	
Operating voltage	12...18 V DC
Current consumption	220 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.35 kg
Dimensions (width x height x depth)	160 x 127 x 61 mm

characteristics

- Line amplifier for one satellite and terrestrial signals
- Mechanically compatible with DRC 05xx
- Adjustable gain from 16...26 dB at each input
- Remote-powered via the SAT-IF trunk lines
- Switchable DC bypass
- High screening efficiency according to Class A
- Made in Germany



DRA 0909

FLEXSWITCH line amplifier, for two satellites



The DRA 0909 is an amplifier for 8 polarizations of two satellite and terrestrial signals. With a gain of 26 dB the DRA 0909 is optimally suited for use as line amplifier in multi-switch cascades. The gain can be individually reduced by 10 dB at each input, in order to compensate differences in level between the individual polarizations. The supply voltage can be realized either locally, through the optional power supply DRP 1533 or via remote power at the trunk lines.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT	22...26 dB
Attenuation SAT	0...10 dB
Max. output level SAT	116 dB μ V (IMA3)
Equalization SAT	4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	12 dB
Noise figure	8 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	10...862 MHz
Gain TERR	20 dB
Attenuation TERR	0...10 dB
Max. output level TERR	110 dB μ V (IMA3)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	12 dB
Noise figure	5 dB
Connectors	
F-socket	10 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
General data	
Operating voltage	12...18 V DC
Current consumption	420 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.41 kg
Dimensions (width x height x depth)	160 x 110 x 61 mm

characteristics

- Line amplifier for 2 satellite and terrestrial signals
- Mechanically compatible with DRC 09xx
- Adjustable gain from 16...26 dB at each input
- Remote-powered via the SAT-IF trunk lines
- Switchable DC bypass
- High screening efficiency according to Class A
- Made in Germany

Amplifiers

DRA 1313

FLEXSWITCH line amplifier, for three satellites



The DRA 1313 is an amplifier for 12 polarizations of three satellite and terrestrial signals. With a gain of 26 dB the DRA 1313 is optimally suited for use as line amplifier in multi-switch cascades. The gain can be individually reduced by 10 dB at each input, in order to compensate differences in level between the individual polarizations. The supply voltage can be realized either locally, through the optional power supply DRP 1533 or via remote power at the trunk lines.

Technical data	
SAT-IF trunk	
Inputs SAT	12 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT	22...26 dB
Attenuation SAT	0...10 dB
Max. output level SAT	116 dB μ V (IMA3)
Equalization SAT	4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	12 dB
Noise figure	8 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	10...862 MHz
Gain TERR	20 dB
Attenuation TERR	0...10 dB
Max. output level TERR	110 dB μ V (IMA3)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	12 dB
Noise figure	5 dB
Connectors	
F-socket	10 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
General data	
Operating voltage	12...18 V DC
Current consumption	600 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.6 kg
Dimensions (width x height x depth)	160 x 247 x 61 mm

characteristics

- Line amplifier for 3 satellite and terrestrial signals
- Mechanically compatible with DRC 13xx
- Adjustable gain from 16...26 dB at each input
- Remote-powered via the SAT-IF trunk lines
- Switchable DC bypass
- High screening efficiency according to Class A
- Made in Germany



DRA 1717

FLEXSWITCH line amplifier, for four satellites



The DRA 1717 is an amplifier for 16 polarizations of four satellite and terrestrial signals. With a gain of 26 dB the DRA 1717 is optimally suited for use as line amplifier in multi-switch cascades. The gain can be individually reduced by 10 dB at each input, in order to compensate differences in level between the individual polarizations. The supply voltage can be realized either locally, through the optional power supply DRP 1533 or via remote power at the trunk lines.

Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT	22...26 dB
Attenuation SAT	0...10 dB
Max. output level SAT	116 dB μ V (IMA3)
Equalization SAT	4 dB
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	12 dB
Noise figure	8 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	10...862 MHz
Gain TERR	20 dB
Attenuation TERR	0...10 dB
Max. output level TERR	110 dB μ V (IMA3)
Isolation TERR - SAT	30 dB typ.
Return loss TERR	12 dB
Noise figure	5 dB
Connectors	
F-socket	10 pcs.
DC supply voltage	Connector type DC 5.5/2.1 mm
General data	
Operating voltage	12...18 V DC
Current consumption	800 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.65 kg
Dimensions (width x height x depth)	160 x 247 x 61 mm

characteristics

- Line amplifier for 4 satellite and terrestrial signals
- Mechanically compatible with DRC 17xx
- Adjustable gain from 16...26 dB at each input
- Remote-powered via the SAT-IF trunk lines
- Switchable DC bypass
- High screening efficiency according to Class A
- Made in Germany

Amplifiers

DRA 4132

FLEXSWITCH split band amplifier, 4x SAT + TERR, 25/32 dB



The DRA 4132 is a power split band amplifier for 4 polarizations of one satellite and terrestrial signals. The signals get split into two paths, one path for the trunk line with 32 dB gain and the second path works as an TAP output with 25 dB gain. The attenuation and slope can be individually adjusted at each input. The supply voltage is realized either locally, through the optional power supply DRP 1533 or via remote power by the trunk lines.

Technical data

SAT-IF trunk

Inputs SAT	4 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT path 1	32 dB (± 2 dB)
Gain SAT path 2	25 dB (± 2 dB)
Attenuation SAT	0...15 dB
Max. output level SAT path 1	114 dB μ V
Max. output level SAT path 2	107 dB μ V
Slope SAT	0...7 dB
Decoupling SAT -SAT	>70 dB typ.
Return loss SAT	12 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Outputs TERR	2 pcs.
Frequency range TERR	10...862 MHz
Gain TERR path 1	25 dB (± 2 dB)
Gain TERR path 2	15 dB (± 2 dB)
Attenuation TERR	0...15 dB
Slope TERR	0...7 dB
Max. output level TERR path 1	114 dB μ V
Max. output level TERR path 2	104 dB μ V
Isolation TERR - SAT	70 dB typ.
Return loss TERR	12 dB

Connectors

F-socket	15 pcs.
DC supply voltage	2x DC Jack 3.5/1.2 mm

General data

Operating voltage	15 V DC
Current consumption	<600 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.75 kg
Dimensions (width x height x depth)	107 x 142 x 80 mm

characteristics

- Split band amplifier for four satellite polarizations and one terrestrial signal
- Trunk gain 32 dB, TAP gain 25 dB
- Adjustable attenuator of 0...15 dB at each input
- Adjustable slope of 0...7 dB at each input
- Remote-powered via the SAT-IF trunk lines
- High screening efficiency according to Class A
- Made in Germany



DRA 4232

FLEXSWITCH split band amplifier, 4x SAT + TERR, 32/32 dB



The DRA 4232 is a power split band amplifier for four polarizations of one satellite and terrestrial signals. The signals get split into two paths, both with a gain of 32 dB. The attenuation and slope can be individually adjusted at each input. The supply voltage is realized either locally, through the optional power supply DRP 1533 or via remote power by the trunk lines.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT path 1	32 dB (± 2 dB)
Gain SAT path 2	32 dB (± 2 dB)
Attenuation SAT	0...15 dB
Max. output level SAT path 1	112 dB μ V
Max. output level SAT path 2	112 dB μ V
Slope SAT	0...7 dB
Decoupling SAT -SAT	>70 dB typ.
Return loss SAT	12 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	2 pcs.
Frequency range TERR	10...862 MHz
Gain TERR path 1	25 dB (± 2 dB)
Gain TERR path 2	25 dB (± 2 dB)
Attenuation TERR	0...15 dB
Slope TERR	0...7 dB
Max. output level TERR path 1	111 dB μ V
Max. output level TERR path 2	111 dB μ V
Isolation TERR - SAT	70 dB typ.
Return loss TERR	12 dB
Connectors	
F-socket	15 pcs.
DC supply voltage	2x DC Jack 3.5/1.2 mm
General data	
Operating voltage	15 V DC
Current consumption	<600 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.75 kg
Dimensions (width x height x depth)	107 x 142 x 80 mm

characteristics

- Split band amplifier for four satellite polarizations and one terrestrial signal
- 32 dB gain at each path
- Adjustable attenuator of 0...15 dB at each input
- Adjustable slope of 0...7 dB at each input
- Remote-powered via the SAT-IF trunk lines
- High screening efficiency according to Class A
- Made in Germany

Amplifiers

DRA 8132

FLEXSWITCH split band amplifier, 8x SAT + TERR, 25/32 dB



The DRA 8132 is a power split band amplifier for eight polarizations of two satellites and terrestrial signals. The signals get split into two paths, one path for the trunk line with 32 dB gain and the second path works as an TAP output with 25 dB gain. The attenuation and slope can be individually adjusted at each input. The supply voltage is realized either locally, through the optional power supply DRP 1533 or via remote power by the trunk lines.

Technical data

SAT-IF trunk

Inputs SAT	8 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT path 1	32 dB (± 2 dB)
Gain SAT path 2	25 dB (± 2 dB)
Attenuation SAT	0...15 dB
Max. output level SAT path 1	114 dB μ V
Max. output level SAT path 2	107 dB μ V
Slope SAT	0...7 dB
Decoupling SAT -SAT	>70 dB typ.
Return loss SAT	12 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Outputs TERR	2 pcs.
Frequency range TERR	10...862 MHz
Gain TERR path 1	25 dB (± 2 dB)
Gain TERR path 2	15 dB (± 2 dB)
Attenuation TERR	0...15 dB
Slope TERR	0...7 dB
Max. output level TERR path 1	114 dB μ V
Max. output level TERR path 2	104 dB μ V
Isolation TERR - SAT	70 dB typ.
Return loss TERR	12 dB

Connectors

F-socket	27 pcs.
DC supply voltage	2x DC Jack 3.5/1.2 mm

General data

Operating voltage	15 V DC
Current consumption	<750 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	1.4 kg
Dimensions (width x height x depth)	175 x 142 x 80 mm

characteristics

- Split band amplifier for eight satellite polarizations and one terrestrial signal
- Trunk gain 32 dB, TAP gain 25 dB
- Adjustable attenuator of 0...15 dB at each input
- Adjustable slope of 0...7 dB at each input
- Remote-powered via the SAT-IF trunk lines
- High screening efficiency according to Class A
- Made in Germany



DRA 8232

FLEXSWITCH split band amplifier, 8x SAT + TERR, 32/32 dB



The DRA 8232 is a power split band amplifier for eight polarizations of two satellites and terrestrial signals. The signals get split into two paths, both with a gain of 32 dB. The attenuation and slope can be individually adjusted at each input. The supply voltage is realized either locally, through the optional power supply DRP 1533 or via remote power by the trunk lines.

Technical data

SAT-IF trunk

Inputs SAT	8 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950...2200 MHz
Gain SAT path 1	32 dB (± 2 dB)
Gain SAT path 2	32 dB (± 2 dB)
Attenuation SAT	0...15 dB
Max. output level SAT path 1	112 dB μ V
Max. output level SAT path 2	112 dB μ V
Slope SAT	0...7 dB
Decoupling SAT -SAT	>70 dB typ.
Return loss SAT	12 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Outputs TERR	2 pcs.
Frequency range TERR	10...862 MHz
Gain TERR path 1	25 dB (± 2 dB)
Gain TERR path 2	25 dB (± 2 dB)
Attenuation TERR	0...15 dB
Slope TERR	0...7 dB
Max. output level TERR path 1	111 dB μ V
Max. output level TERR path 2	111 dB μ V
Isolation TERR - SAT	70 dB typ.
Return loss TERR	12 dB

Connectors

F-socket	27 pcs.
DC supply voltage	2x DC Jack 3.5/1.2 mm

General data

Operating voltage	15 V DC
Current consumption	<750 mA
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	1.4 kg
Dimensions (width x height x depth)	175 x 142 x 80 mm

characteristics

- Split band amplifier for eight satellite polarizations and one terrestrial signal
- 32 dB gain at each path
- Adjustable attenuator of 0...15 dB at each input
- Adjustable slope of 0...7 dB at each input
- Remote-powered via the SAT-IF trunk lines
- High screening efficiency according to Class A
- Made in Germany

Taps/splitter

DRX 5002

FLEXSWITCH distributor, 2-way for one satellite



Technical data

SAT-IF trunk

Inputs SAT	4 pcs.
Frequency range SAT	950...2200 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	10 dB

Terrestrial trunk

Inputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	10 dB

Distribution outputs

Outputs SAT	8 pcs.
Outputs TERR	2 pcs.
Frequency range	5...2200 MHz
Distribution loss SAT	6 dB (± 1 dB)
Distribution loss TERR	4.5 dB (± 1 dB)
Return loss	10 dB

Connectors

F-socket	15 pcs.
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General data

Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.3 kg
Dimensions (width x height x depth)	140 x 71 x 45 mm

characteristics

- Passive 2-way splitter for one satellite and terrestrial signals
- Switchable DC bypass for LNB powering
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F connectors
- Made in Germany



DRX 9002

FLEX SWITCH distributor, 2-fold for two satellites



Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Frequency range SAT	950...2200 MHz
Decoupling SAT -SAT	30 dB typ.
Return loss SAT	10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Isolation TERR - SAT	30 dB typ.
Return loss TERR	10 dB
Distribution outputs	
Outputs SAT	16 pcs.
Outputs TERR	2 pcs.
Frequency range	5...2200 MHz
Distribution loss SAT	6 dB (± 1 dB)
Distribution loss TERR	4.5 dB (± 1 dB)
Return loss	10 dB
Connectors	
F-socket	27 pcs.
General data	
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Weight	0.44 kg
Dimensions (width x height x depth)	220 x 71 x 45 mm

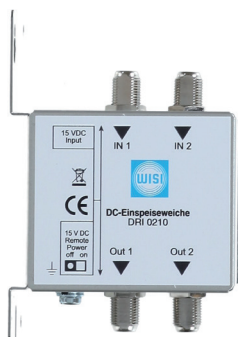
characteristics

- Passive 2-way splitter for two satellite and terrestrial signals
- Switchable DC bypass for LNB powering
- High screening efficiency according to Class A
- Compact dimensions paired with installation friendly distance between the F connectors
- Made in Germany

Accessories

DRI 0210

Power feed DC



DRP 1533

Wall wart 230 V AC, 15 V DC



Technical data	
Frequency range	10...2200 MHz
Through loss SAT	2 dB (± 1 dB)
Decoupling the levels, SAT -> SAT	>35 dB
Return loss SAT	>10 dB
General data	
Connectors	F-connectors
Impedance	75 Ω
Max. remote power LNB	1000 mA
Trunk line DC power	switchable
Ambient temperature	-20...+50 °C
Dimensions (width x height x depth)	100 x 60 x 75 mm

Technical data	
General data	
Connector	Connector type DC 5.5/2.1 mm
Operating voltage	90...264 V AC
Output voltage	15 V DC
Max. output current	3,3 A
Max. output power	49,5 W
Max. humidity, non condensing	25...75 %
Protection class	II
Electrical safety standard	EN 60950-1
EMC	EN 50083-2
Dimensions W x H x D	116 x 33 x 51 mm
Operating temperature range	-20...+50 °C
Storage temperature	-10...+80 °C

The DRP 1533 is a wall wart with 230 V AC, 50/60 Hz and has a output power from 15 V DC. It is usable for the FLEXSWITCH series.



Multiswitch 5 inputs, cascade

DY 0508

PROSWITCH multiswitch 5 in 8, cascade & stand alone, TERR. passive



The DY 0508 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. With the optional power supply DG 55 that powers the LNB, the multiswitch is useable as a stand alone device. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The stand-by functionality minimizes power consumption by activating the multiswitch only in case there is a switched on stb connected.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2150 MHz
Through loss SAT	1,1...3 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5... 862 MHz
Through loss TERR	3,5...4,2 dB (± 1 dB)
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>15 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	3...2,2 dB
Insertion TERR	24 dB (± 3 dB)
Max. output level subscriber SAT	90 dB μ V
Max. output level subscriber TERR	81 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>14 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	70 mA
Connectors	
F-socket	20 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	10...19 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 0516
Weight	0.38 kg
Dimensions (width x height x depth)	140 x 140 x 32 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Multiswitch 5 inputs, cascade



DY 0516

PROSWITCH multiswitch 5 in 16, cascade & stand alone, TERR. passive



The DY 0516 is a cascadable multiswitch with five inputs for the distribution of one satellite and terrestrial signals. With the optional power supply DG 55 that powers the LNB, the multiswitch is useable as a stand alone device. The polarisations are available at five cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The stand-by functionality minimizes power consumption by activating the multiswitch only in case there is a switched on stb connected.

Technical data	
SAT-IF trunk	
Inputs SAT	4 pcs.
Outputs SAT	4 pcs.
Frequency range SAT	950... 2150 MHz
Through loss SAT	1,6...4,5 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	3,5...4,2 dB (± 1 dB)
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>15 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	3...2,2 dB
Insertion TERR	24 dB (± 3 dB)
Max. output level subscriber SAT	90 dB μ V
Max. output level subscriber TERR	81 dB μ V
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>14 dB
Control signal	14/18 V, 0/22 kHz
Current consumption from receiver	100 mA
Connectors	
F-socket	28 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	10...19 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 0508
Weight	0.56 kg
Dimensions (width x height x depth)	206 x 140 x 32 mm

characteristics

- Cascadable multiswitch for the distribution of 4 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Multiswitch 9 inputs, cascade

DY 0908

PROSWITCH multiswitch 9 in 8, cascade & Stand alone, TERR. passive



The DY 0908 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. With the optional power supply DG 55 that powers the LNB, the multiswitch is useable as a stand alone device. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the eight subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The stand-by functionality minimizes power consumption by activating the multiswitch only in case there is a switched on stb connected.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2150 MHz
Through loss SAT	1,1...3 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	3,5...4,2 dB (± 1 dB)
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>15 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	3...2,2 dB
Insertion TERR	24 dB
Max. output level subscriber SAT	90 dB μ V
Max. output level subscriber TERR	81 dB μ V (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>14 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 2.0
Current consumption from receiver	70 mA
Connectors	
F-socket	28 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	10...19 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 0916
Weight	0.52 kg
Dimensions (width x height x depth)	206 x 140 x 32 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Multiswitch 9 inputs, cascade



DY 0916

PROSWITCH multiswitch 9 in 16, cascade & Stand alone, TERR. passive



The DY 0916 is a cascadable multiswitch with nine inputs for the distribution of two satellites and terrestrial signals. With the optional power supply DG 55 that powers the LNB, the multiswitch is useable as a stand alone device. The polarisations are available at nine cascade outputs for the installation of further multiswitches. Commercially available DVB-S/S2 set-top-boxes or TVs with an integrated receiver can be used at the 16 subscriber outputs. Inserted terrestrial signals like DVB-T/T2, DAB or FM are available at each subscriber output as well. The stand-by functionality minimizes power consumption by activating the multiswitch only in case there is a switched on stb connected.

Technical data	
SAT-IF trunk	
Inputs SAT	8 pcs.
Outputs SAT	8 pcs.
Frequency range SAT	950...2150 MHz
Through loss SAT	1,6...4,5 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	3,5...4,2 dB (± 1 dB)
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>15 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	3...2,2 dB
Insertion TERR	24 dB (± 3 dB)
Max. output level subscriber SAT	90 dB μ V
Max. output level subscriber TERR	81 dB μ V (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>14 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 2.0
Current consumption from receiver	50 mA
Connectors	
F-socket	36 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	10...19 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 0908
Weight	0.7 kg
Dimensions (width x height x depth)	206 x 206 x 32 mm

characteristics

- Cascadable multiswitch for the distribution of 8 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Multiswitch 17 inputs, cascade

DY 1708

PROSWITCH multiswitch 17 in 8, cascade & stand alone, TERR. passive



Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950...2150 MHz
Through loss SAT	1...3 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	3,5...4,2 dB
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	8 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	2...2 dB
Insertion TERR	24 dB (±2 dB)
Max. output level subscriber SAT	101 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 2.0
Current consumption from receiver	70 mA
Connectors	
F-socket	42 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	13...18 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 1716
Weight	0.8 kg
Dimensions (width x height x depth)	405 x 200 x 42 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Multiswitch 17 inputs, cascade



DY 1716

PROSWITCH multiswitch 17 in 16, cascade & stand alone, TERR. passive



Technical data	
SAT-IF trunk	
Inputs SAT	16 pcs.
Outputs SAT	16 pcs.
Frequency range SAT	950...2150 MHz
Through loss SAT	1,5...4,5 dB
Decoupling SAT -SAT	40 dB typ.
Return loss SAT	>10 dB
Terrestrial trunk	
Inputs TERR	1 pcs.
Outputs TERR	1 pcs.
Frequency range TERR	5...862 MHz
Through loss TERR	3,5...4,2 dB
Isolation TERR - SAT	40 dB typ.
Return loss TERR	>10 dB
Subscriber outputs	
Outputs	16 pcs.
Frequency range	5...2150 MHz
TERR type	Passive
Insertion loss SAT	2...2 dB
Insertion TERR	24 dB (±3 dB)
Max. output level subscriber SAT	101 dBμV
Max. output level subscriber TERR	50...110 dBμV (passive)
Return loss subscriber SAT	>10 dB
Return loss subscriber TERR	>10 dB
Control signal	14/18 V, 0/22 kHz, DiSEqC 2.0
Current consumption from receiver	50 mA
Connectors	
F-socket	50 pcs.
DC supply voltage	F-socket
Colour-coding	VL = black; HL = green; VH = red; HH = yellow
General data	
Power indicator	LED
Operating voltage	13...18 V DC

Technical data	
Power consumption max.	<0,2 W
Screening factor	Class A, according to EN 50083-2
Impedance	75 Ω
Operating temperature range	-20...+50 °C
Cascadable with	DY 1708
Weight	1.1 kg
Dimensions (width x height x depth)	402 x 265 x 42 mm

characteristics

- Cascadable multiswitch for the distribution of 16 satellite polarisations and terrestrial signals
- Useable as a stand alone device (DG 55 power supply required)
- Stand-by function with connected power supply, optional permanent operation
- Passive terrestrial path to feed in multimedia content or signals from a cable TV operator
- Integrated SAT amplifier for low insertion loss
- Pre-emphasis to compensate the cable loss at high frequencies
- High screening efficiency according to Class A
- Stackable chassis for space-saving installation of various devices
- Colour-coded inputs and outputs

Amplifiers

DY 40

PROSWITCH SAT amplifier



Technical data	
SAT	
Frequency range SAT	950...2150 MHz
Gain SAT	10...30 dB
Output level	115 dB μ V (3.order EN50083-3, 35 dB)
Attenuator SAT	0...20 dB
Slope	0,4,8,12 dB
Isolation trunk	40 dB typ.
Connectors	
F-socket	9 pcs.
DC supply voltage	F-socket
General data	
Operating voltage DC	12...18 V DC
Current consumption	200 mA
DC bypass	Yes
Screening factor	Class A, EN 50083-2
Dimensions (width x height x depth)	129 x 86 x 32 mm
Operating temperature range	-20...+50 °C
Weight	0.29 kg



DY 70

Wall wart 230 V AC, 13 V DC



Technical data	
General data	
F-plug	1 pcs.
Operating voltage	90...264 V AC
Power consumption	<31 W
Output voltage	13 V DC ($\pm 0,4$ V)
Max. output current	2 A
Max. output power	26 W
Max. humidity, non condensing	90 %
Protection class	II
Protection class system EN 60529 (DIN 40050)	IP 41
Electrical safety standard	EN 60065, EN 60950
EMC	EN 50083-2
Dimensions W x H x D	86 x 49,5 x 32 mm
Operating temperature range	0...+40 °C
Storage temperature	-25...+70 °C

The DY 70 is a short circuit-proofed power supply operating at an input voltage of 230 V AC, 50/60 Hz and provides an output voltage of 13 V DC. It is used in combination with multiswitches of the PROSWITCH series, as well as the amplifier DY 40 and surge protector DL 400.

Parabol offset antennas

OA 10

Orbit Line parabol offset antenna, 100 cm, light grey



Technical data	
gain	38...40 dB
Aperture angle	<1,8 ° (3 dB)
Wind load up to 20m mounting height	872 N
General data	
Reflector material	Aluminium
Reflector colour	Light grey (RAL 7035)
Diameter	100 cm
Mounting clip	32...80 mm
Setting range elevation	15...55 °
Weight	11 kg

Aluminium offset antenna, light grey. Mast fixing hot-dip galvanized, feed holder 40 mm. Mast or wall mounting.

OA 10 A

Orbit Line parabol offset antenna, 100 cm, light grey



Technical data	
gain	39,8...40,9 dB
Aperture angle	<1,8 ° (3 dB)
Wind load at 72 km/h	30 kg
Wind load at 144 km/h	119 kg
Wind load at 216 km/h	268 kg
General data	
Reflector material	Aluminium
Reflector colour	Light grey (RAL 7035)
Diameter	100 cm
Mounting clip	32...76 mm
Setting range elevation	5...90 °
Weight	8.8 kg

The OA 10 A offset antenna convinces by its easy installation and low weight. The reflector and feed arm consists of light aluminum. The stabile back part is pre-mounted to the reflector and enables an installation in a few steps. For the Installation is an antenna pipe MN 60A or wall holder MN xx available.

Parabol offset antennas



OA 100 G

Orbit Topline Parabol offset antenna, 100 cm, light grey



OA 100 H

Orbit Topline Parabol offset antenna, 100 cm, basalt grey



OA 100 I

Orbit Topline Parabol offset antenna, 100 cm, red brown



Technical data			
gain	39,8...40,9 dB (12 GHz)	39,8...40,9 dB (12 GHz)	39,8...40,9 dB (12 GHz)
Aperture angle	<1,8 ° (3 dB)	<1,8 ° (3 dB)	<1,8 ° (3 dB)
General data			
Reflector material	Aluminium, powder-coated	Aluminium, powder-coated	Aluminium, powder-coated
Reflector colour	Light grey (RAL 7035)	Basalt grey (RAL 7012)	red brown (RAL 8012)
Diameter	100 cm	100 cm	100 cm
Mounting clip	32...76 mm	32...76 mm	32...76 mm
Setting range elevation	5...70 °	5...70 °	5...70 °

Parabol offset antennas

OA 13 A

Orbit Line parabol offset antenna, 125 cm, light grey



Technical data	
gain	43 dB (12 GHz)
Aperture angle	<1,37 ° (3 dB)
Wind load up to 20m mounting height	1450 N
General data	
Reflector material	Aluminium, powder-coated
Reflector colour	Light grey (RAL 7035)
Diameter	125 cm
Mounting clip	55...100 mm
Setting range elevation	20...50 °
Weight	12.8 kg

Aluminium offset antennas , light-grey. Hot zinc dipped fastening in reflector colour, powder-coated.

Parabol offset antennas



OA 36 G

Orbit Line parabol offset antenna, 60 cm, light grey



OA 36 H

Orbit Line Parabol offset antenna, 60 cm, basalt grey



OA 36 I

Orbit Line Parabol off-set antenna, 60 cm, red brown



Technical data			
gain	35 dB	35 dB	35 dB
Aperture angle	<3,0 ° (3 dB)	<3,0 ° (3 dB)	<3,0 ° (3 dB)
Wind load up to 20m mounting height	280 N	280 N	280 N
General data			
Reflector material	Aluminium, powder-coated	Aluminium, powder-coated	Aluminium, powder-coated
Reflector colour	Light grey (RAL 7035)	Basalt grey (RAL 7012)	red brown (RAL 8012)
Diameter	60 cm	60 cm	60 cm
Mounting clip	32...60 mm	32...60 mm	32...60 mm
Setting range elevation	16...50 °	16...50 °	16...50 °
Weight	1,6 kg	1,6 kg	1,6 kg

Parabol offset antennas

OA 38 G

Orbit Line parabol offset antenna, 80 cm, light grey



OA 38 H

Orbit Line Parabol offset antenna, 80 cm, basalt grey



OA 38 I

Orbit Line Parabol off-set antenna, 80 cm, red brown



Technical data			
gain	37 dB	37 dB	37 dB
Aperture angle	<2,5 ° (3 dB)	<2,5 ° (3 dB)	<2,5 ° (3 dB)
Wind load up to 20m mounting height	525 N	525 N	525 N
General data			
Reflector material	Aluminium, powder-coated	Aluminium, powder-coated	Aluminium, powder-coated
Reflector colour	Light grey (RAL 7035)	Basalt grey (RAL 7012)	red brown (RAL 8012)
Diameter	80 cm	80 cm	80 cm
Mounting clip	32...60 mm	32...60 mm	32...60 mm
Setting range elevation	16...50 °	16...50 °	16...50 °
Weight	3,80 kg	3,80 kg	3,80 kg

Parabol offset antennas



OA 85 G

Orbit Topline parabol offset antenna, 85 cm, light grey



OA 85 H

Orbit Topline Parabol offset antenna, 85 cm, basalt grey



OA 85 I

Orbit Topline Parabol offset antenna, 85 cm, red brown



Technical data			
gain	37 dB (12 GHz)	37 dB (12 GHz)	37 dB (12 GHz)
Aperture angle	<2,2 ° (3 dB)	<2,2 ° (3 dB)	<2,2 ° (3 dB)
Wind load up to 20m mounting height	478 N	478 N	478 N
General data			
Reflector material	Aluminium, powder-coated	Aluminium, powder-coated	Aluminium, powder-coated
Reflector colour	Light grey (RAL 7035)	Basalt grey (RAL 7012)	red brown (RAL 8012)
Diameter	85 cm	85 cm	85 cm
Mounting clip	32...76 mm	32...76 mm	32...76 mm
Setting range elevation	0...90 °	0...90 °	0...90 °
Weight	5,8 kg	5,8 kg	5,8 kg

Feed systems

OC 01 D

Universal feed system, Single, light grey, feed diameter 40 mm



OC 02 D

Universal feed system, Twin, light grey, feed diameter 40 mm



OC 04 D

Universal feed system, Quattro, light grey, feed diameter 40 mm



OC 06 D

Universal feed system, Quad-Switch, light grey, feed diameter 40 mm



Technical data				
Subscriber	1 pcs.	2 pcs.	pcs. Depending on the multiswitch	4 pcs.
Type	SINGLE	TWIN	QUATTRO	QUAD-SWITCH
Input frequency	10,70...11,70/11,70...12,75 GHz (Low-Band/High-Band)	10,70...11,70/11,70...12,75 GHz (Low-Band/High-Band)	10,70...11,70/11,70...12,75 GHz (Low-Band/High-Band)	10,70...11,70/11,70...12,75 GHz (Low-Band/High-Band)
Oscillator frequency	9,75/10,6 GHz (Low-Band/High-Band)	9,75/10,6 GHz (Low-Band/High-Band)	9,75/10,6 GHz (Low-Band/High-Band)	9,75/10,6 GHz (Low-Band/High-Band)
Output frequency range	950...2150 MHz	950...2150 MHz	950...2150 MHz	950...2150 MHz
Connectors				
F-socket	1 pcs.	2 pcs.	4 pcs.	4 pcs.
General data				
LNB supply voltage	11...14,2/15,5...21 V (Vertical/Horizontal, 22 kHz)	11...14,2/15,5...21 V (Vertical/Horizontal, 22 kHz)	11...21 V	11...14,2/15,5...21 V (Vertical/Horizontal, 22 kHz)
Power consumption max.	120 mA	180 mA	200 mA	200 mA
Color	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)	Light grey (RAL 7035)
Feed diameter	40 mm	40 mm	40 mm	40 mm
Operating temperature range	-30...+60 °C	-30...+60 °C	-30...+60 °C	-30...+60 °C

Surge protector



DL 400

Surge protector



Overvoltage protection for SAT distribution facilities as well as protection of SAT inputs at signal processing. With the DL400, all following components are protected from undesirable voltage peaks.



Technical data

Connectors

F socket (SAT / power supply)	8 / 1 pcs.
Frequency range	950...2200 MHz
input level max	115 dB μ V
Through loss	1...2 dB
return loss EN60728-3	Class A
Isolation trunk	35 dB (min. typ > 40 dB)
DiSEqC / 22 kHz passage	No
surge protection	EN 61643-21
Rated leakage current (8/20 μ s)	5 kA
Protective level at 10 kA (8/20 μ s) Cat. C2	<30 V
Protective level at 1 kV/ μ s Cat. C3	<30 V
Protective level at 2.5 kV (10/350 μ s) Cat. D1	<30 V
Protective level at 6 kV (10/700 μ s) Cat. B2	<30 V
Alternating current stability	5 A
Overload error state	1
DC resistance input > output	1 Ω
Highest perm. Voltage Uc	20 V DC
Rated current trunk	1000 mA

General data

Current rates DC infeed	2500 mA max.
Power consumption	<0,2 W
Operating voltage DC	0...18 V DC
Protection class	IP20
Operating temperature range	0...55 °C
Screen class	A
Dimensions (width x height x depth)	85x38,5x140 mm
Weight	0.24 kg

characteristics

- 4 x SAT protection in one unit, module case sideways stackable for expansion to additional levels
- Überspannungsschutz für das DG SAT-Verteilssystem
- Typical operation site between (Quattro) LNB and cascaded multiswitches / headend or for protection of potential differences between dedicated building structures.
- remote power that SAT- trunk line via the lateral F-connector, powering to the output can be switched off
- overvoltage detection with LED- status indicator (only with active power supply)

Accessories Parabol offset antennas

OF 85 0002

multifeed bar for 2 feed systems



OF 85 0004

multifeed bar for 4 feed systems

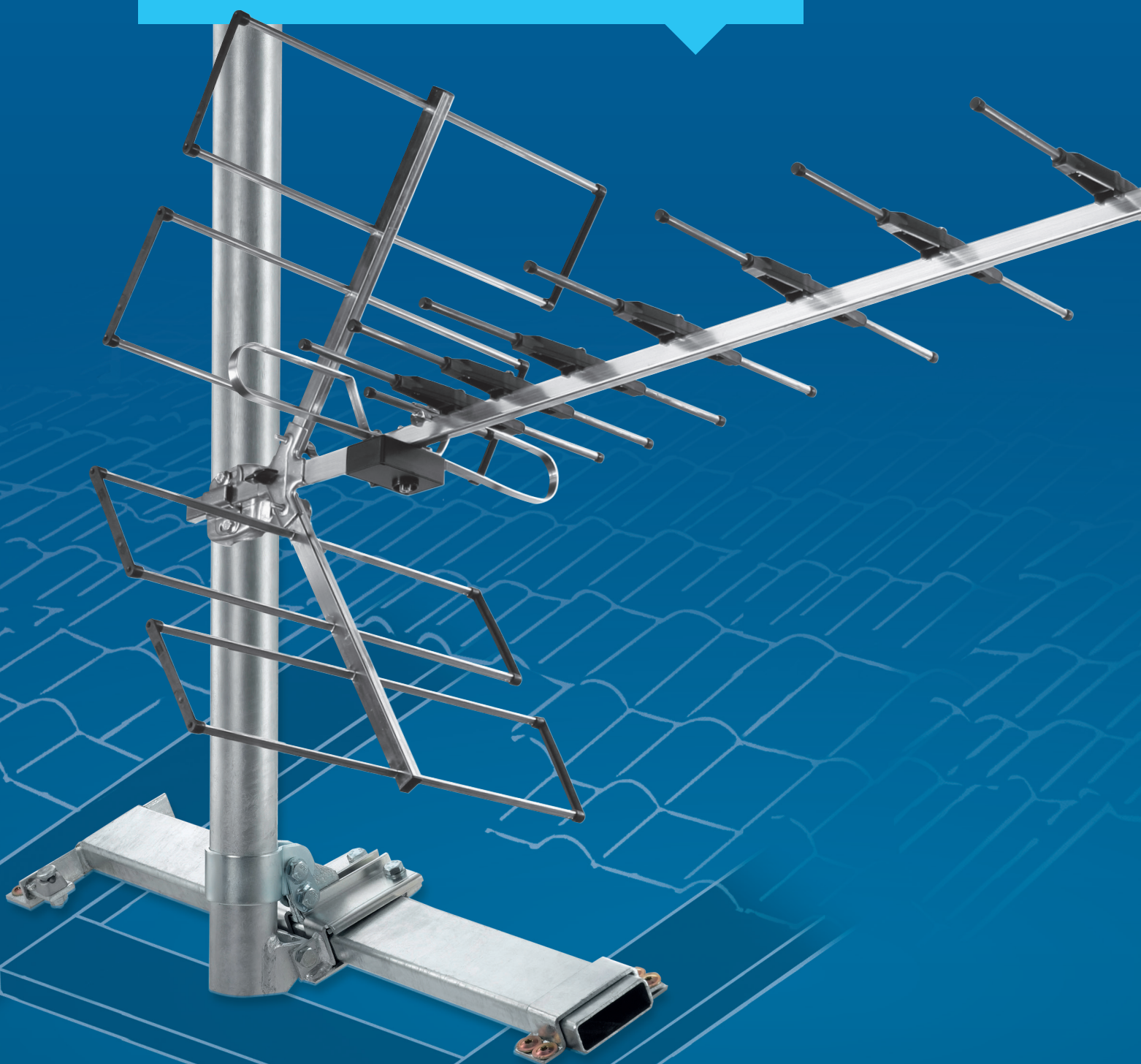


Technical data		
Number feedsystems	2 pcs.	4 pcs.
Type of offset antenna	OA 38, OA 85, OA 100	OA 38, OA 85, OA 100
Diameter	40 mm	40 mm
General data		
Color	silver	silver



WISI Terrestrial antennas:

**Regional
on reception.**





Terrestrial antennas



The terrestrial antennas of WISI offers the best possible reception of regional broadcasting stations for TV and radio. So you're always up to date for Information about your region. The robust and weatherproof finish enables a stable TV and radio supply for many years.

WISI Terrestrial antennas at a glance:

- For optimum reception
- With LTE filter
- Easy installation

UHF antennas

EB 22 0297

UHF antenna channels
21...69



EB 45 LTE

UHF antenna, channels
21...60, with LTE filter,
28 elements



EB 67 LTE

UHF antenna, channels
21...60, with LTE filter,
41 elements



Technical data			
channels	21...69 (UHF)	21...60 (UHF, with LTE filter)	21...60 (UHF, with LTE filter)
Frequency range UHF	470...862 MHz	470...790 MHz	470...790 MHz
Polarization	horizontal/vertikal	Horizontal	Horizontal
Elements	16 pcs.	28 pcs.	41 pcs.
gain	11 dB (max.)	13 dB (max.)	15.5 dB
Forward/backward ratio	>20 dB	>20 dB	>26 dB
Aperture angle horizontal	49 °	40 °	29 °
Aperture angle vertikal	59 °	48 °	34 °
Wind load horizontal	46 N	32 N	34 N
Wind load vertical	61 N	43 N	62 N
Connectors			
F-socket	1 pcs.	1 pcs.	1 pcs.
General data			
Length	443 mm	1040 mm	1960 mm

UHF antennas



EE 06 0297

UHF aerial channels 21...69



Technical data	
channels	21...69 (UHF)
Frequency range UHF	470...862 MHz
Polarization	horizontal/vertikal
gain	14.5 dB (max.)
Forward/backward ratio	>25 dB
Aperture angle horizontal	46 °
Aperture angle vertikal	27 °
Wind load horizontal	107 N
Wind load vertical	107 N
Connectors	
F-socket	1 pcs.
General data	
Dimensions (width x height x depth)	645 x 830 x 260 mm

Polarisation: horizontal or vertical, adjustable angle.

EZ 45 LTE

UHF antenna, channels 21...60, with LTE filter, 41 elements



Technical data	
channels	21...60 (UHF, with LTE filter)
Frequency range UHF	470...790 MHz
Polarization	horizontal/vertikal
Elements	38 pcs.
gain	15 dB
Forward/backward ratio	>28 dB
Aperture angle horizontal	35 °
Aperture angle vertikal	42 °
Wind load horizontal	76 N
Wind load vertical	114 N
Connectors	
F-socket	1 pcs.
General data	
Length	1140 mm

FM antennas

UA 05

UKW directional antenna



UE 01

UKW cross dipole antenna



Technical data		
channels	UKW (directional antenna)	UKW (crossed dipole antenna)
Elements	3 pcs.	2 pcs.
gain	5 dB (max.)	-3 dB (max.)
Forward/backward ratio	12 dB	0 dB
Aperture angle horizontal	70 °	360 °
Wind load horizontal	63.8 N	22.1 N
Connectors		
F-socket	1 pcs.	1 pcs.
General data		
Length	860 mm	- mm
Mast clamp diameter	34...60 mm	34...60 mm

EA 34

VHF-UHF combination antenna



The antenna EA34 is a combination antenna. The reception areas are VHF III and UHF. The polarization is horizontal and the inclination adjustable.

Technical data	
channels	E 5...12, L 05...10/21...69 (VHF III/UHF)
Frequency range VHF	174...230 MHz
Frequency range UHF	470...862 MHz
Polarization	horizontal/vertikal
Elements	6/36 pcs. (VHF III/UHF)
gain	6,5/12,5 dB (VHF III/UHF)
Forward/backward ratio	>20 dB
Aperture angle horizontal	65/35 ° (VHF III/UHF)
Aperture angle vertikal	92/40 ° (VHF III/UHF)
Wind load horizontal	111.5 N
Wind load vertical	77 N
Connectors	
F-socket	1 pcs.
General data	
Length	1285 mm



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