

Order number: 20510065

Open text field 1:



Multi-switch:

- Cascadable unicable multi-switch with built-in modem for distribution of sat IF signals (four satellite frequency planes) and terrestrial signals via one cable to up to nine receivers
- The multi-switch supplies the selected transponder on a fixed frequency (userband), actuated by the receiver with a DiSEqC™ command set in accordance with EN 50494

The multi-switches support the extended unicable command set SCD2 in accordance with EN 50607

- The extended EN 50607 command set enables all userbands to be addressed, the EN 50494 standard only userband 1-8
- Reception of the terrestrial range is still possible when the satellite receiver is switched off
- Each receiver is allocated a fixed subscriber frequency (userband) (a twin receiver requires two subscriber frequencies)
- Create a home network using the existing terrestrial distribution. The IP data is available at the subscriber outlet. This reduces the cost of installation as no new network cables need be installed
- PIN code: Protects the subscriber frequency from being accessed by another subscriber. This allows a multi-home installation
- The built-in AGC (Automatic Gain Control) ensures that the sat IF signals have a constant output level
- Built-in highly selective diplexer for the IP data
- Low power consumption due to highly efficient, short-circuit-proof switched-mode power supply unit in accordance with the ERP guideline and power-saving concept (the unicable multi-switch is switched off along with the receivers)
- Kathrein Power-Saving: LNB supply is switched off as soon as all receivers are inactive. This function can be disabled if loop-through multi-switches without Kathrein Power-Saving are used in the cascade
- LNB remote feeding via the "horizontal low" input. Kathrein Power-Saving is signalled using the "vertical low" trunk. All other inputs are voltage-free
- For indoor installation

Built-in modem:

- Modem for the Kathrein IP over Coax system "K-LAN (based on the IEEE 1901 standard)"
- Ideal for network connection for receivers, TV sets and Blu-ray players. A PC and other devices that can be networked can also be conveniently connected to a router (e.g. FRITZ!Box)
- > 500 Mbit data throughput (gross) allows multiple HD streams with simultaneous data transmission between PCs. (Thanks to QoS *) corresponding services are prioritised
- Interference-free due to high screening factor
- 128 bit AES encryption. Secure private network connection at the push or a button - no software required
- Eco power mode: The modem automatically switches to stand-by until it is "woken up" again by the network. Consumption: 1.0 Watt in stand-by/4.2 Watt in operation
- Built-in highly selective diplexer for IP data
- Low power consumption due to highly efficient, short-circuit-proof switched-mode power supply unit in accordance with the ERP guideline and power-saving concept (the unicable multi-switch is switched off along with the receivers)
- Kathrein Power-Saving: LNB supply is switched off as soon as all receivers are inactive. This function can be disabled if loop-through multi-switches without Kathrein Power-Saving are used in the cascade
- LNB remote feeding via the "horizontal low" input. Kathrein Power-Saving is signalled using the "vertical low" trunk. All other inputs are voltage-free
- The EN 50607 extended command set allows all userbands to be addressed; the EN 50494 standard only userband 1-8

Accessories:

- EXI 30 (order no. 21110024): Outlet for remote feeding from the satellite connection, with optimum selection for data and HF signals
- EXI 01 free-standing modem (order no. 20510061): For converting back IP data at the subscriber outlets (e.g. for connection of a satellite receiver with Ethernet socket)
- EXI 700 software: Shows the visible modems in a network (free download from: www.kathrein.de)
- EXI 90 high-pass filter (order no. 20510062): If additional multi-switches (not from EXI range) are used and the EXI 01 is used on one of these, then the high-pass filter must be screwed onto the terrestrial input of the multi-switch. This isolates downstream multi-switches in the cascade and prevents

reception and emission in the IP frequency range by and from the terrestrial antenna. The EXI 3591 has a built-in high-pass filter



Hersteller: Kathrein

EXI 3591

Product information "EXI 3591"

Unicable multi-switch, 5 to 1x9 - 2-68, 5-862, 87.5-862 and 950-2150 MHz - 1 output for 9 receivers - Extended unicable standard - Pin code protection;

Type:	EXI 3591
Order no.:	20510065
Subscriber connections:	9
Inputs:	1 x terrestrial / 4 x Sat IF
Connection loss (terrestrial):	9 / - dB
Decoupling horizontal → vertical:	- / 30 dB
Permissible input voltage range:	207 – 253 V
Nominal input voltage:	230 V (47 – 63 Hz)
Nominal input power at 0/150/300 mA load ¹⁾ :	6, 1/9, 2/12, 2 W
Max. permissible remote feed current ("horiz. low" input) ²⁾ :	300 mA
Protection class protection type:	II (double insulated) IP 30
Max. current drain at the subscriber connection:	10 mA
Gross data rate:	500 Mbit
Sat input level:	55-80 dB μ V
Standards supported:	IEEE 1901
Receiver 1 Receiver 2 Receiver 3 Receiver 4 Receiver 5 Receiver 6 Receiver 7 Receiver 8 Receiver 9:	2-68/87,5-862 / 974/1 1076/2 1178/3 1280/4 1382/5 1484/6 1586/7 1688/8 1790/9 MHz
Frequency range:	87,5-862 / 950-2150 MHz
Permissible supply voltage at the subscriber outlet:	12-14 V
Frequency range IP (IEEE 1901) ³⁾ :	2/1/1968 12
Screening factor:	5-300 MHz > 85; 300-470 MHz > 80 470-1000 MHz > 75; 1000-2400 MHz > 55 dB
Sat (AGC) output level:	-
Secondary voltage ("horiz. low" input):	18 V
Power consumption at max. data rate:	Approx. 4.2 W
Current drain of the modem:	Max. 200 mA
Power consumption in stand-by:	Approx. 1.0 W
Connections:	F connectors, RJ 45
Ambient temperature range:	-20 to +55 °C
Dimensions (W x H x D):	295 x 148 x 42,5 mm
Packaging unit/weight:	1 (10)/Approx. 0.7 pc/kg

^{*)} Quality of Service

¹⁾ All nine subscriber frequencies/userbands in operation

²⁾ Via "horizontal low" input

³⁾ Of which currently used: 8-68 MHz

Mehr Bilder zu "EXI 3591"

