

Multi-switches

EXR 2508 20510030
EXR 2558 20510031



Features

- Cascadable multi-switches to distribute 4 Sat polarities and terrestrial signals to many receivers
- Only one drop cable is required per receiver (for twin receivers two drop cables are required)
- Independent choice of polarity horizontal/vertical, low/high from each receiver
- Switchover is carried out via the coaxial cable with 14/18 V and 0/22 kHz signal frequency
- With an integrated amplifier to reduce tap losses in the Sat range
- Integrated pre-emphasis to equalise the cable loss
- The terrestrial range can also be received when the receiver is turned off
- Terrestrial range 5-862 MHz passive
- High decoupling between outputs
- Remote feeding via inputs horizontal low. All other inputs are voltage-free (thus operation with UAS 485/585 is possible)
- For indoor mounting



EXR 2508

- Multi-switch for 8 connections, with integrated power supply unit
- Low power consumption due to energy-saving, short-circuit proof switching power supply
- Cascadable with EXR 2558

EXR 2558

- Multi-switch loop-through for system extension by 8 connections each
- Up to 8 EXR 2558 multi-switches can be cascaded

Sat-IF distribution system (4 x Sat-IF)

KATHREIN

Technical data

Type		EXR 2508		EXR 2558	
Order no.		20510030		20510031	
Subscriber connections		8		8	
Inputs		1 x terr.	4 x Sat-IF	1 x terr.	4 x Sat-IF
Frequency ranges	MHz	5-862	950-2,150	5-862	950-2,150
Through loss	dB	-	-	3.5	1.0 → 2.5 ¹⁾
Tap loss ¹⁾	dB	15 → 17	5 → 0	18 → 20	5 → 0
Decoupling horiz./vert.	dB	-	25	-	25
Decoupling subscribers	dB	40	25	40	25
Decoupling trunk	dB	-	-	-	40
Max. output level ²⁾	dB μ V	-	110	-	109
Control input vert./horiz.	V	12-14.5/16-19		12-14.5/16-19	
Control low/high band	kHz	0/22		0/22	
Power consumption/subscriber	mA	20		20	
Nominal input voltage	V	198-253		-	
Nominal input power (800/200/0 mA load)	W	18/5/1.5		-	
Secondary voltage ³⁾	V	18		-	
Max. total remote feed current ³⁾	mA	800		-	
Max. permissible remote feed current per trunk	mA	-		1,000	
Protection category/class		II (insulated)/IP 30		IP 30	
Permissible ambient temperature	°C	- 20 to + 55		- 20 to + 55	
Connections		F-type connectors		F-type connectors	
Dimensions (W x H x D)	mm	215 x 148 x 43		160 x 148 x 43	
Packing unit/weight	pc./kg	1 (10)/0.65		1 (10)/0.45	

¹⁾ Frequency-dependent attenuation

²⁾ According to EN 60728-3, 35 dB IMod

³⁾ Via input horizontal low