

Sat-IF distribution system (2 x Sat-IF) Switching matrix, loop-through matrix



Switching matrix, loop-through matrix

EXR 304	273384
EXR 308	273348
EXR 334	273349



- End line switching, switching and loop-through matrices to distribute Sat-IF signals (both polarisations of a satellite) and terrestrial signals to many receivers
- Only one drop cable is required for each receiver. For twin receivers, two drop cables are required
- Independent selection of horizontal/vertical polarities for each receiver
- Remote feeding and horizontal/vertical switch-over via coax cable with 14/18 V supply voltage
- Remote feeding of LNB and power supply of matrix via vertical and horizontal line with 14/18 V from the receiver (EXR 304), in EXR 308/334 via the NCF 18 power supply unit included in the delivery scope
- Integrated amplifier to reduce the connection loss in the Sat-range
- High decoupling between the outputs
- Terrestrial range can be received even if receiver is turned off
- Can be mounted on a top hat rail, using ZAH 05 mounting set (see page 132)
- For indoor mounting

EXR 304

- End line switching matrix for 4 connections
- 18 V DC port for NCF 18 external power supply unit

EXR 308

- Switching matrix for 8 connections, with NCF 18 power supply unit for LNB power supply
- Extendable with EXR 334 loop-through matrix

EXR 334

- Loop-through matrix for extension with 4 connections each
- Highly cascadable
- With 3-way connector for easily connecting to the subsequent matrix



EXR 304



EXR 308



EXR 334

Sat-IF distribution system (2 x Sat-IF)

Switching matrix, loop-through matrix

Technical data

Type		EXR 304		EXR 308		EXR 334	
Order no.		273384		273348		273349	
User connections		4		8		4	
Inputs		1 x terrestrial	2 x Sat-IF	1 x terrestrial	2 x Sat-IF	1 x terrestrial	2 x Sat-IF
Frequency range	MHz	47-862	950-2,400	47-862	950-2,400	47-862	950-2,400
Through loss	dB	-	-	-	-	3	3
Connection loss	dB	16	5	9	10	17	13
Decoupling - input signal	dB	-	25	-	23	-	25
Decoupling - output/output	dB	25	25	25	25	25	25
Max. output level	dB μ V	-	95 ¹⁾	85 ²⁾	85 ¹⁾	-	85 ¹⁾
Screening factor	dB	47-300 MHz > 85 300-470 MHz > 80 470-1,000 MHz > 75 1,000-2,400 MHz > 55					
Control - input vert.	V	11-14.5		11-14.5		11-14.5	
Control - input horiz.	V	16-19		16-19		16-19	
Current consumption from the receiver per subscriber (without LNB)	mA	< 65		1		20	
Supply voltage on the DC connection	V	18 \pm 5 % ³⁾		18 \pm 5 %		-	
Current consumption from NCF 18 power supply unit	mA	40 ³⁾		150		40	
Max. remote feed current - input horizontal	mA	300		300		300	
Max. remote feed current - input vertical	mA	300		150		300	
Max. remote feed current - sum inputs	mA	300		-		-	
Voltage drop LNB supply voltage (at 300 mA load)	V	Horiz.: 0.7 Vert.: 1.5		-		-	
Dimensions	mm	Matrix: 90 x 79 x 47		Matrix: 94 x 112 x 47 Power supply unit: 55 x 80 x 75		94 x 112 x 47	
Packing unit/weight	pc./kg	1 (10)/0.4		1 (10)/0.7		1 (10)/0.55	

¹⁾ Interference products 3rd order, 35 dB IMod (2-transmitter-measuring method acc. to EN 50083-3)

²⁾ 60 dB XMod (3-transmitter-measuring method B acc. to DIN 45004)

³⁾ Optional