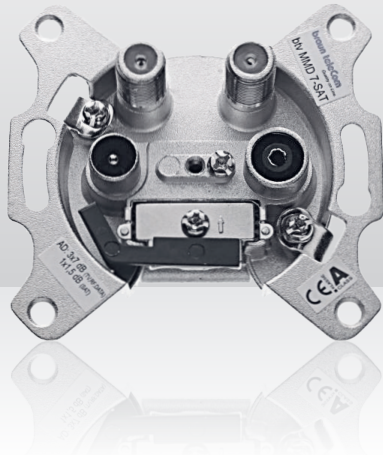
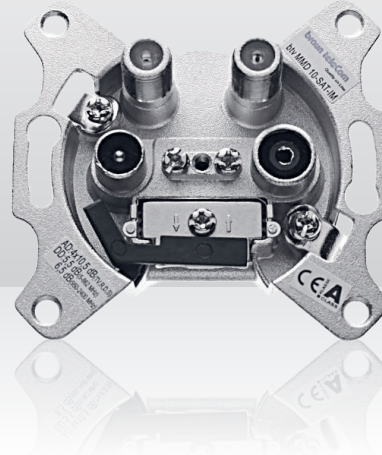


4-port multimedia/SAT antenna outlets

with an additional SAT-port, 5 – 65 MHz reverse path



21940700
btv-MMD-7-SAT



21940711
btv-MMD-10-SAT-IM



- Specially designed for operations in satellite IF distribution networks in combination with multimedia applications
- Special SAT-port (F-female) 950 – 2.400 MHz for the separate connection of a satellite receiver
- DC Powerpass SAT to IN for LNB powering 500 mA max. including 22 kHz and DiSEqC signals
- Special DATA-port (F-female) for the separate connection of a cable modem
- TV- and RF-ports designed as broadband ports with equal tap loss on TV and RF
- Very high isolation between TV/RF and DATA-port to avoid influences of TV-IF frequency by ingress of reverse signals
- Galvanic isolation protection of TV-, RF- and DATA-port against hum modulation and leakage currents (inner conductors only)
- Intermodulation resistant according to DIN EN 60728-4
- Screening according EN 50083-2 Class A:
 - > 85 dB (30 – 300 MHz),
 - > 80 dB (300 – 470 MHz),
 - > 75 dB (470 – 862 MHz)
- Cover plate SAD-401, 80 x 80 mm, color Pure white RAL 9010, will be delivered together with the multimedia outlets (Order No. 22090401)
- Surface-mount frame SAD-165, 80 x 80 x 33 mm, color Pure white RAL 9010, for multimedia outlets (Order No. 22080800)

Parameter	Frequency [MHz]	End outlet		Loop-through outlets		
		btv-MMD-7-SAT	btv-MMD-10-SAT-IM	btv-MMD-14-SAT-IM	btv-MMD-19-SAT-IM	
Through loss [dB]	IN – OUT	5 – 862	–	5,5 ± 1	3,5 ± 1	2 ± 1
		950 – 2150	–	6,5 ± 1	4,8 ± 1	2,7 ± 1
		2.150 – 2.400	–	9,5 max.	7,5 max.	4,7 max.
Tap loss [dB]	IN – SAT	950 – 970	1,5 ± 1	10,5 ± 1,5	14,5 ± 1,5	19,5 ± 1,5
		970 – 2.150	1,5 ± 1	10,5 ± 1	14,5 ± 1	19,5 ± 1
		2.150 – 2.400	1,5 ± 1	12,5 max.	16 max.	21 max.
	IN – DATA	5 – 862	7 ± 1	10,5 ± 1	14 ± 1	19,5 ± 1
	IN – TV	5 – 65	55 typ. 50 min.	60 typ. 50 min.	60 typ. 50 min.	60 typ. 50 min.
Isolation [dB]	IN – R	84 – 470	7,0 ± 1	10,5 ± 1	14 ± 1	20 ± 1
		470 – 862	7,0 ± 1,5	10,5 ± 1	14 ± 1	20 ± 1
	OUT – DATA	5 – 15	–	22 min.	22 min.	28 min.
		15 – 65	–	28 min.	27 min.	32 min.
		84 – 862	–	22 min.	26 min.	26 min.
	OUT – TV	5 – 65	–	55 min.	55 min.	55 min.
	OUT – Radio	84 – 470	–	30 min.	23 min.	25 min.
		470 – 862	–	22 min.	22 min.	22 min.
	OUT – SAT	950 – 2.400	–	18 min.	18 min.	18 min.
	TV – Radio	84 – 862	20 min.	20 min.	20 min.	20 min.
TV/R – DATA	5 – 65	70 typ. 60 min.	70 typ. 60 min.	70 typ. 60 min.	70 typ. 60 min.	
	84 – 470	25 min.	40 min.	35 min.	40 min.	
	470 – 862	25 min.	25 min.	28 min.	30 min.	
	DATA/TV/R – SAT	5 – 65	65 typ. 50 min.	65 typ. 50 min.	65 typ. 50 min.	65 typ. 50 min.
		84 – 470	30 min.	30 min.	30 min.	30 min.
Return loss [dB]		470 – 862	15 min.	15 min.	15 min.	15 min.
		950 – 2.400	10 min.	10 min.	10 min.	10 min.
	IN	5 – 15	14 min.	12 min.	14 min.	14 min.
		15 – 65	16 min.	14 min.	16 min.	16 min.
		84 – 862	18*	18*	18*	18*
	SAT	950 – 2.400	10, decreasing linearly to 7,2			
		5 – 10	18*	10 min.	18 min.	18 min.
		10 – 65	18*	10 min.	18*	18*
	DATA	84 – 120	18*	12 min.	18*	18*
		120 – 160	18*	14 min.	18*	18*
	160 – 862	18*	18*	18*	18*	
TV, R	84 – 862	14**, but > 10	14**, but > 10	14**, but > 10	14**, but > 10	
DC pass	SAT → IN, OUT ↔ IN	24 VDC, 500 mA max. + 22 KHz + DiSEqC				
Order No.		21940700	21940711	21940715	21940720	

* f = 40 MHz -1,5 dB/oct.

** f = 109 MHz -1,5 dB/oct.