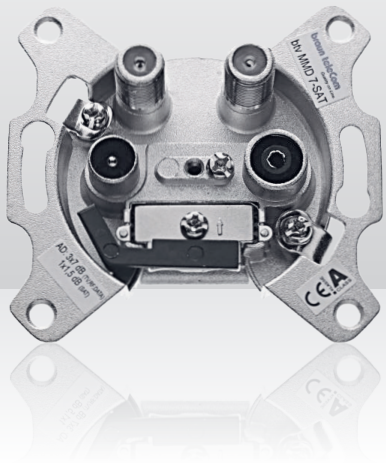
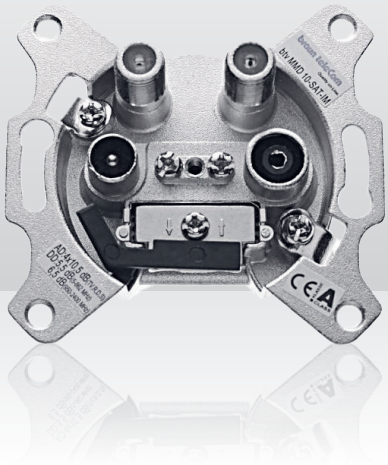
4-port multimedia/SAT antenna outlets

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



21940700
btv-MMD-7-SAT



21940711
btv-MMD-10-SAT-IM

KLASSE A CLASS

- 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 btv-MMD-7-SAT	Loop-through outlets btv-MMD-10-SAT-IM	btv-MMD-14-SAT-IM	btv-MMD-19-SAT-IM
Tap loss [dB]	SAT	5 – 65	55 typ.	–	–	–
		950 – 2.150	1,5 ± 1,0	10,5 ± 1,0	14,5 ± 1,5	19,5 ± 1,5
		2.150 – 2.450	1,5 ± 1,0	12,5 max.	–	–
	TV	5 – 65	55 typ.	60 typ.	60 typ.	60 typ.
		84 – 862	7,0 ± 1,0	10,5 ± 1,0	14 ± 1	20,0 ± 1
	Radio	84 – 862	7,0 ± 1,0	10,5 ± 1,0	14 ± 1	20,0 ± 1
	DATA	5 – 65	7,0 ± 1,0	10,5 ± 1,0	14 ± 1	19,5 ± 1,5
		84 – 862	7,0 ± 1,0	10,5 ± 1,0	14 ± 1	20,0 ± 1
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.	2,7 ± 2
	IN – SAT	950 – 970	1 typ	10,5 ± 1,5	14,5 ± 1,5	19,5 ± 1,5
		970 – 2.150	1 typ	10,5 ± 1	14,5 ± 1	19,5 ± 1
		2.150 – 2.400	1 typ	12,5 max.	14,5 ± 1,5	19,5 ± 1,5
	IN – DATA	5 – 862	7 ± 1	10,5 ± 1	14 ± 1	19,5 ± 1
	IN – TV IN – R	5 – 65	60 dB typ.	60 typ.	60 typ.	60 typ.
		84 – 470	6.8 ± 1	10,5 ± 1	14 ± 1	20 ± 1
		470 – 862	7,0 ± 1,5	10,5 ± 1	14 ± 1	20 ± 1
Isolation [dB]	OUT – DATA	5 – 65	–	22 min.	26 min.	28 min.
		84 – 862	–	22 min.	26 min.	26 min.
	OUT – TV OUT – Radio	5 – 65	–	55 min.	55 min.	55 min.
		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	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.	65 typ.	65 typ.	65 typ.
		84 – 470	30 min.	30 min.	30 min.	30 min.
		470 – 862	15 min.	15 min.	15 min.	15 min.
		950 – 2.400	10 min.	10 min.	10 min.	10 min.
Return loss [dB]	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*
		950 – 2.400	10, decreasing linearly to 7,2			
	SAT	950 – 2.400	10, decreasing linearly to 7,2			
	DATA	5 – 10	18*	10 min.	18 min.	18 min.
		10 – 65	18*	10 min.	18*	18*
		84 – 120	18*	12 min.	18*	18*
		120 – 160	18*	14 min.	18*	18*
		160 – 862	18*	18*	18*	18*
	TV, R	84 – 862	4 dB **	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.

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