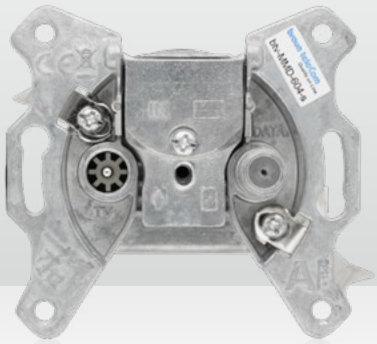
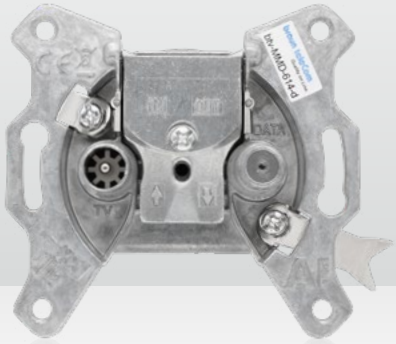
braun teleCom 2-port multimedia outlets

with DATA port (5 – 1.800 MHz) and TV port (258 – 862 MHz)



21926040
btv-MMD-604-s



21926140
btv-MMD-614-d

KLASSE A CLASS + 20 dB

Parameter		Frequency [MHz]	btv-MMD-604-s	btv-MMD-609-T	btv-MMD-611-d	btv-MMD-614-d	btv-MMD-617-d	btv-MMD-620-d
Insertion loss [dB]	IN – OUT(1)	5 – 10	–	–	2,7 ± 0,5	1,5 ± 0,3	1,3 ± 0,3	0,8 ± 0,2
		200	–	–	2,4 ± 0,5	1,3 ± 0,3	1,1 ± 0,2	0,7 ± 0,2
		400	–	–	2,5 ± 0,5	1,4 ± 0,3	1,1 ± 0,2	0,8 ± 0,2
		600	–	–	2,6 ± 0,5	1,6 ± 0,3	1,2 ± 0,2	0,9 ± 0,2
		800	–	–	2,8 ± 0,6	1,8 ± 0,4	1,4 ± 0,3	1,1 ± 0,2
		1.000	–	–	3,1 ± 0,6	2,0 ± 0,4	1,5 ± 0,3	1,2 ± 0,2
		1.200	–	–	3,2 ± 0,6	2,2 ± 0,4	1,6 ± 0,3	1,4 ± 0,3
		1.400	–	–	3,5 ± 0,7	2,5 ± 0,5	1,8 ± 0,4	1,6 ± 0,3
		1.600	–	–	3,7 ± 0,7	2,8 ± 0,6	2,0 ± 0,4	1,8 ± 0,4
		1.800	–	–	4,1 ± 0,8	3,3 ± 0,7	2,2 ± 0,4	2,1 ± 0,4
	IN – DATA	5 – 10	4,0 ± 1,0	9,0 ± 1,0	11,0 ± 1,0	14,0 ± 1,0	17,0 ± 1,0	20,0 ± 1,0
		10 – 1.800	4,0 ± 1,0	9,0 ± 1,0	11,0 ± 1,0	14,0 ± 1,0	17,0 ± 1,0	20,0 ± 1,0
	IN – TV(2)	5 – 65	54 typ.	59 typ.	61 typ.	64 typ.	67 typ.	70 typ.
		65 – 204	44 typ.	49 typ.	51 typ.	54 typ.	57 typ.	60 typ.
		258 – 862	4,5 ± 1,0	9,5 ± 1,0	11,5 ± 1,0	14,5 ± 1,0	17,5 ± 1,0	20,5 ± 1,0
Isolation(3) [dB min.]	TV – DATA	5 – 65	60 min.					
		65 – 204	60 typ., 55 min.					
		204 – 258	55 – 24					
		258 – 1.800	24 min.					
	OUT – TV	5 – 65	–	–	60 min.			
		65 – 204	–	–	60 min.			
		204 – 258	–	–	60 – 24			
		258 – 862	–	–	24 min.			
		862 – 1.800	–	–	22 min.			
	OUT – DATA	5 – 204	–	–	35 min.			
		204 – 862	–	–	24 min.			
		862 – 1.800	–	–	22 min.			
Return loss(3) [dB min.]	IN & OUT	5 – 94	16					
		94 – 752	16 (at 94 MHz -1,5 dB/Oct.)					
		752 – 1.800	10 min.					
	TV	258 – 862	12,5					
	DATA	5 – 94	18					
		94 – 1.800	18 (at 94 MHz -1,5 dB/Oct.)					
Harmonic distortion [dBµV] (acc. to IEC-60728-4 and UM TS 414)(4)	before surge		< 2 dBµV (< -118 dBc)					
	after 25 VDC surge (1,2/500 µs) at all ports		< 5 dBµV (< -115 dBc)					
	after 150 VDC surge at DATA & TV ports		< 5 dBµV (< -115 dBc)					
Galvanic Isolation (acc.to IEC/EN 60728-11: 2019-02 Point 10) Semi isolated inner to inner conductor			≤ 2 mA, 230 VAC RMS 50/60 Hz; ≤ 0,7 mA, 2120 VDC (during 1 minute)					
Surge Immunity (acc.to IEC 61000-4-5 level 2)			1 kV (1,2/50 µs, internal resistance = 42 Ω)w					
DKT Order No.			**53061**	**53056**	**53057**	**53058**	**53059**	**53060**

- Outlets compliant with VF TS 142 June 2021 V1.2
- Dimensions according to DIN 45330
- Zinc die-cast housing with polished finishing (CuSn whitebronze plating available on request)
- Quick and comfortable installation thanks to push-pinclamp technology for inner conductors with a diameter of 0,4 – 1,2 mm
- Suitable for coaxial cables with a diameter of 4,1 – 7,2 mm
- DATA-port as F-female acc. to IEC/EN 61169-24 with Ø 9,45 ± 0,05 mm, TV port as IEC-male acc. to IEC/EN 61169-2
- High screening Class A +10 dB acc. to DIN EN 50083-2
- High protection against any LTE ingress (LTE safe)
- DATA port 5 – 1.800 MHz, selective TV port 258 – 862 MHz
- Intermodulation resistance acc. to EN 60728-4 and UM TS 414
- Surge immunity 1 kV acc. to IEC 61000-4-5 level 2
- Galvanic isolation acc. to DIN EN 60728-11: 2019-02 Point 10; semi isolated inner to inner conductor
- Ready for DOCSIS® 3.1 and DOCSIS® 4.0
- Impedance 75 Ω
- Operating temperature range 0 – 55°C
- Cover plate SAD-122, white RAL 9010, not included and needs to be ordered seperately (Order No. 22080122)

(1) Tolerances are typical values, with additional 0,3 dB max. tolerances in mass production

(2) On the diplex filter edges 258 – 274 MHz and 800 – 862 MHz with additional 0,5 dB tolerances in mass production; in frequency range 188 – 204 MHz with max. 3 dB reduced rejection in mass production

(3) On the diplex filter edges 188 – 204 MHz and 258 – 274 MHz as well as in frequency range 5 – 10 MHz with max. 3 dB reduced return loss and isolation

(4) With 2 x 120 dBµV test signals combined and applied to each port:
Test 1: f1 = 55,25 MHz, f2 = 61,25 MHz, IM2 = 2 x f1 + f1+f2 + 2 x f2
Test 2: f1 = 193,25 MHz, f2 = 199,25 MHz, IM2 = 2 x f1 + f1+f2 + 2 x f2

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Subject to technical changes. *Version 2.1*