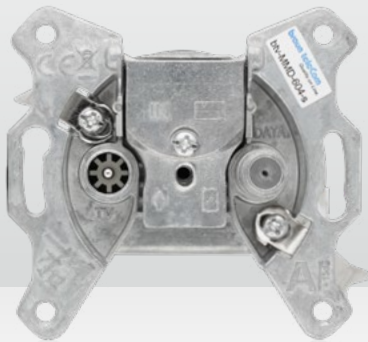
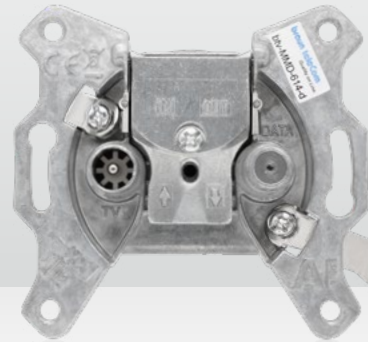


braun teleCom 2-port multimedia outlets

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



21926040
btv-MMD-604-s



21926140
btv-MMD-614-d



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 – 10 200 400 600 800 1.000 1.200 1.400 1.600 1.800	– – – – – – – – – –	– – – – – – – – – –	2,7 ± 0,5 2,4 ± 0,5 2,5 ± 0,5 2,6 ± 0,5 2,8 ± 0,6 3,1 ± 0,6 3,2 ± 0,6 3,5 ± 0,7 3,7 ± 0,7 4,1 ± 0,8	1,5 ± 0,3 1,3 ± 0,3 1,4 ± 0,3 1,6 ± 0,3 1,8 ± 0,4 2,0 ± 0,4 2,2 ± 0,4 2,5 ± 0,5 2,8 ± 0,6 3,3 ± 0,7	1,3 ± 0,3 1,1 ± 0,2 1,1 ± 0,2 1,2 ± 0,2 1,4 ± 0,3 1,5 ± 0,3 1,6 ± 0,3 1,8 ± 0,4 2,0 ± 0,4 2,2 ± 0,4	0,8 ± 0,2 0,7 ± 0,2 0,8 ± 0,2 0,9 ± 0,2 1,1 ± 0,2 1,2 ± 0,2 1,4 ± 0,3 1,6 ± 0,3 1,8 ± 0,4 2,1 ± 0,4		
	IN – DATA	5 – 10 10 – 1.800	4,0 ± 1,0 4,0 ± 1,0	9,0 ± 1,0 9,0 ± 1,0	11,0 ± 1,0 11,0 ± 1,0	14,0 ± 1,0 14,0 ± 1,0	17,0 ± 1,0 17,0 ± 1,0	20,0 ± 1,0 20,0 ± 1,0		
	IN – TV ⁽²⁾	5 – 65 65 – 204 258 – 862	54 typ. 44 typ. 4,5 ± 1,0	59 typ. 49 typ. 9,5 ± 1,0	61 typ. 51 typ. 11,5 ± 1,0	64 typ. 54 typ. 14,5 ± 1,0	67 typ. 57 typ. 17,5 ± 1,0	70 typ. 60 typ. 20,5 ± 1,0		
	Isolation ⁽³⁾ [dB min.]	TV – DATA	5 – 65 65 – 204 204 – 258 258 – 1.800	60 min. 60 typ., 55 min. 55 – 24 24 min.						
		OUT – TV	5 – 65 65 – 204 204 – 258 258 – 862 862 – 1.800	– – – – –	– – – – –	60 min. 60 min. 60 – 24 24 min. 22 min.				
		OUT – DATA	5 – 204 204 – 862 862 – 1.800	– – –	– – –	35 min. 24 min. 22 min.				
		Return loss ⁽³⁾ [dB min.]	IN & OUT	5 – 94 94 – 752 752 – 1.800	16 16 (at 94 MHz -1,5 dB/Oct.) 10 min.					
			TV	258 – 862	12,5					
			DATA	5 – 94 94 – 1.800	18 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.		on request	53056	on request	on request	on request	on request		

- 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 separately (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