

TWO-260/Dx-1G semi-isolated wall outlet



- **Dual output isolators - TV and Data**
- **5 - 1006 MHz**
- **Modem Safe™ surge protection and intermodulation reduction solution**
- **Meets EN Class A screening requirements**
- **High isolation between ports**
- **Diplexers for low upstream attenuation**
- **Easy to install**
- **Loop and non-loop through versions available**



Overview

Designed for easy in-home installation, the TWO series contains wall outlets to suit a range of home network configurations.

The TWO-260/Dx-1G is used to connect a cable modem and a TV set to the cable network. High isolation between output ports is achieved by using high quality diplex filters and prevents the cable modem from generating interference on the TV channels.

Low upstream attenuation on the cable port provides cable operators with greater flexibility in the return path.

The TWO-260/Dx-1G's durable zinc die-cast housing with high quality in and output connectors offers trouble-free multimedia connectivity.

The different connectors for TV (IEC male) and the data port (F-female) clearly mark the dedicated connection points for TV and data applications.

The TWO-260/D4-1G has a loop through feature for cascaded in home networks.

Modem Safe

Modem Safe is a highly effective surge protection solution for sensitive network and in-home CPE. Based on passive circuits, the technology does not rely on discharge tubes, extending the lifespan of the solution.

- Blocks high and low voltage pulses and unwanted DC voltages
- Prevents internal ferrites within the product from becoming magnetised (avoiding deterioration in the performance of CPE)
- Drives fewer reported faults
- Improves customer service
- Reduces truck rolls

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Specifications

		MHz	TWO-260/D-1G		TWO-260/D4-1G	
			Typ	Max	Typ	Max
Insertion loss (dB)	In -> Out	5 - 1006	N/A	N/A	4.0	4.5
	In -> Data	85 - 1006	4.2	4.8	8.5	9.0
	Data -> In	5 - 65	0.8	1.3	4.8	5.3
	In -> R/TV	85 - 1006	4.0	4.8	9.0	9.5
Return loss (dB, min)	In	5 - 65	18.0		18.0	
		85 - 1006 ¹	18.0		18.0	
	Data	5 - 65	20.0		18.0	
		85 - 1006 ¹	18.0		18.0	
R/TV	85 - 1006 ¹	18.0		18.0		
Isolation (dB, min)	Data -> Out	5 - 1006	N/A		22.0	
	R/TV -> Data	5 - 65	45.0		45.0	
		85 - 1006	22.0		22.0	
Screening efficiency (dB, typ) Minimum exceeds Class A ²		5 - 300	95.0		95.0	
		300 - 470	90.0		90.0	
		470 - 950	85.0		85.0	
		950 - 1006	85.0		85.0	
Intermodulation p+q (dBC, min)	No surge ³		-110.0			
	25 V surge ⁴		-110.0			
Surge Class conformance ⁵	All ports		1 kV 1.2/50µs			
Connectors	In		Terminal Block			
	Data		F-female			
	R/TV		IEC-male			
Material	Housing		Nickel plated zinc die-cast Back cover tin plated steel sheet			
	F-spring		Silver plated phosphor bronze			
Impedance (Ohm, typ)			75			
Dimensions (mm)	L x H x D		70.2x70.2x30.0			
Equipment Approval			CE			

Remarks

1	Where frequency is above 40 MHz, deduct 1.5 dB/Octave (with a minimum of 10 dB)
2	Tested according to EN 50083-2 2006
3	Two carriers (50 & 55MHz), out to in, @ 120dBµV, after 10 pulses (25V/1,2µS rise time/500µS duration) at all ports
4	Two carriers (50 & 55MHz), out to in, @ 120dBµV, after 1 pulse 1KV (1,2µS risetime/50µS fall time) at Input.
5	Tested according to IEC 61000-4-5 2005
	Measurements taken at room temperature
	DC power blocking on all F ports

Ordering information

Item Name	Article number
TWO-260/D-1G	19003908
TWO-260/D4-1G	19003909