

- Flexible multimedia connection point
- Ingress Safe™ - unique passive ingress reduction technology
- Universal easy fit solution
- Interchangeable input plate
- Low insertion loss



### Overview

The MCPX-03 is a flexible push-on solution for converting existing wall outlets into multimedia connections, allowing for high speed data services and trouble free use of analogue and digital RTV channels. Connector Types TV / Data In IEC Female Radio In IEC Male Data Out F-Female TV Out IEC-Male Radio Out IEC-Female

### Technetix Modem Safe®

Technetix Modem Safe® is a highly effective surge protection solution for sensitive network and in-home CPE. This technology is based on passive circuits and is not reliant on discharge tubes, therefore 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, improving customer service and reducing truck rolls

### Technetix Ingress Safe™

Our patented Technetix Ingress Safe technology uses a phase cancellation technique to considerably reduce ingress created within the home. It has no adverse effect on the CATV spectrum and is transparent to the forward and reverse path signals.

- Significantly reduces noise on CATV networks, improving network performance
- Field tests show Technetix Ingress Safe units in the distribution network can deliver improvement in the carrier to noise ratio that averages from between 3 dB and 12 dB, depending on the network topology
- Prevents or delays the need to deploy technicians to rectify faults caused by the cumulative effects of ingress on network performance and customer service.

## Electrical specifications

Parameter	Attribute	Frequency	Min	Max	Units	Notes
Insertion loss	IN (TV/Data) to OUT (TV/Data)	5 – 10		3.7	dB	
		10 – 470		3.6	dB	
		470 – 862		4.1	dB	
		862 – 1000		4.2	dB	
	IN (Radio) to OUT (Radio)	1000 - 1218		4.5	dB	
		5 – 65	20.0		dB	
Return loss	All Ports	87.5 – 108		1.0	dB	
		5 – 10	20.0		dB	3
		10 – 862	22.0		dB	3
		862 – 1000	15.0		dB	3
Isolation	OUT (Data) – OUT (TV)	1000 - 1218	15.0		dB	3
		5 – 10	20.0		dB	
		10 – 862	26.0		dB	
		862 – 1000	22.0		dB	
Screening effectiveness		1000 - 1218	22.0		dB	
		5 – 300	85.0		dB	1
		300 – 470	80.0		dB	1
		470 – 950	75.0		dB	1
		950 – 1000	55.0		dB	1
Intermodulation p+q	All ports (1 kV surge)	5 – 1218	105.0		dB	2

## Environmental specifications

Parameter	Attribute	Min	Max	Units
Temperature range	Operating	5.0	45.0	°C
	Storage	-20.0	75.0	°C

## Mechanical specifications

Parameter	Attribute	Details
Housing material	Material	Zinc diecast
	Plating	NiSn

## Notes

- 1 According to EN50083-2
- 2 According to EN60728-4 (1kV 40 Ω Combination 1.2/50µSec)

## Ordering information

Item name	Article number
MCPX-03	19011080

Wall outlets

## Multimedia push-on TV/radio/data 1218 MHZ

**technetix**

### Notes

---

3 F > 40 MHz -1.5 dB/Oct

---