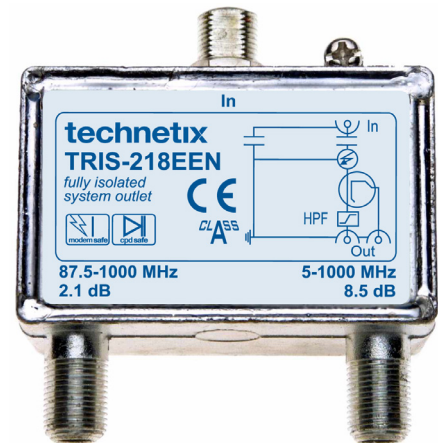


## TRIS-218EEN

- Dual output isolator
- Modem Safe™ surge protection
- 1-way tap with HPF-85 build in throughput
- Very good intermodulation performance
- Excellent RF performance
- Class A screening efficiency
- Low leakage current
- NiSn plated input connector



### Overview

Isolators (frequently referred to as system outlets) are used to separate the in-home installation or subscriber equipment from the CATV network. They prevent hazardous voltages from being transferred to in-home installations.

Technetix supplies two major types of isolator; fully and semi-isolated system outlets. The TRIS series comprises fully isolated system outlets developed to meet the needs of the European market. They incorporate high voltage capacitors that provide isolation to both the inner and the outer conductors of the coaxial connectors.

There are a variety of one, two and three port isolators in the TRIS-series as well as many accessories such as ABS housings, adaptor plates and push-on filters.

The TRIS-218EEN dual output isolator has a nickel plated, zinc die-cast housing and a nickel plated, machined brass input connector. The material of the inner spring has been designed specially for connecting coax cables with an inner core of between 0.51 and 1.20 mm. It retains this elasticity and provides effective clamping force even when varying thicknesses of inner conductor are connected in succession.

## Specifications

		MHz	Min	Typ	Max
Frequency range		5 - 1000			
Insertion loss (dB)	In -> Out 1	85 - 470	1.3	1.8	2.3
		470 - 862	1.5	2.1	2.7
		862 - 1000	2.0	2.5	3.0
	In -> Out 2	5 - 1000	7.5	8.5	9.5
Rejection (dB)	In -> Out 1	5 - 65	22.0		
Return loss (dB) <sup>1</sup>	In	5 - 40	18.0		
		40 - 1000	20.0		
	Out 1	87.5 - 108	12.0		
		108 - 1000	20.0		
	Out 2	5 - 1000	20.0		
Screening efficiency (dB) <sup>2</sup>		8 - 10	70.0		
		10 - 12	80.0		
		12 - 300	85.0	95.0	
Intermodulation		300 - 470	80.0	90.0	
Galvanic isolation 2120 V DC (mA, max) <sup>3</sup>	Inner (input) - Inner (output)	0.7			
	Outer (input) - Outer (output)				
Galvanic isolation 230 V AC (mA, max) <sup>3</sup>	Inner (input) - Inner (output)	2.0			
	Outer (input) - Outer (output)				
Surge Class conformance <sup>4</sup>		1 kV 1.2/50µS			
Connectors	All ports	F-female			
Material	Input connector	NiSn plating			
	F-spring	Silver plated			
Impedance (Ohm, typ)		75			
Dimensions (mm)	L x H x D	60.0 x 38.0 x 30.0			
Equipment approval		CE			

### Remarks

	All specifications are measured at room temperature
1	F > 40 MHz -1.5 dB/oct
2	Transfer impedance method according IEC 60728-2 (5-30 MHz) Absorption clamp method according IEC-60728-2 § 4.4 (30-1000 MHz)
3	IEC-60728-11§10 Safety Requirement: 2120 VDC T ≥ 1 minute, I ≤ 0,7 mA, 230 VAC I ≤ 8,0 mA RMS
4	EC 1000-4-5 level 2 with ports terminated

### Ordering information

Item Name	Article number
TRIS-218EEN	10460175

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