

TRAS-2000/C+A

- **Single galvanic isolated wall outlet**
- **IEC male and IEC female output connectors**
- **CE marking**
- **Coverplate and Adapter Ring included**
- **Complies with Class A screening requirements**



Overview

The TRAS-2000 wall outlet has a single galvanic isolation which isolates the inner conductor. The sturdy zinc die cast housing and solidly anchored isolated connectors guarantee a long life.

The specially constructed cable terminal is able to accept a wide range of cable diameters from Coax-6 to Coax-12 cables, has a good grip and enables a rapid and solid assembly. The TRAS-series is available with single or double output connector(s), and has a range of connector types such as F-female and IEC-male and female. Cover plates and surface mount housings are available for each of the types. These are made in ABS.

Specifications

		Frequency MHz	Min	Max	Typ
Frequency					
In		5-70 87.5-108 120-1000			
R		87.5-108			
TV/Data		5-70 120-1000			
Insertion Loss					
In -> TV/Data		5 - 70 120 - 130 130 - 862	0.1 dB 0.2 dB 0.1 dB	0.7 dB 0.8 dB 0.7 dB	0.4 dB 0.5 dB 0.4 dB
In -> R		862 - 1000 87.5 - 108	0.3 dB 0.7 dB	1.1 dB 1.7 dB	0.6 dB 1.2 dB
Return Loss¹					
In		5 - 70 87.5 - 108 120 - 1000	18 dB 14 dB 18 dB		
TV/Data		5 - 70 120 - 1000	18 dB 18 dB		
R		87.5 - 108	14 dB		
Screening Efficiency²					
		5 - 300 300 - 470 470 - 862	85 dB 80 dB 75 dB		95 dB 90 dB 85 dB
Galvanic Isolation 230 V AC³					
Inner conductor Input -> Inner conductor Output	8 mA RMS				
Galvanic Isolation 2120 V DC³				0.7 mA	
Surge Protection⁴					
2 KV 1.2/50 µS at input	35 V Vpk				
Intermodulation 2p 2q (min)⁵					-120 dB
Isolation					
R -> TV/Data		5 - 60 60 - 70 87.5 - 108 120 - 130 130 - 1000	30 dB 24 dB 15 dB 15 dB 22 dB		
Connectors⁵					
In	Terminal Block				
R	IEC female				
TV/Data	IEC Male				
Impedance	75 Ohm				
Equipment Approval	CE				

Remarks

- Where frequency is above 40 MHz, deduct 1.5 dB/Octave
- Transfer impedance method according to IEC 60728-2 (5-30 MHz)
Absorption clamp method according to IEC-60728-2 § 4.4 (30-1000 MHz)
- IEC-60728-1 § 9 Safety Requirement: 2120 VDC T_≥ 1 minute, I ≤ 0,7 mA, 230 VAC I_≤ 8,0 mA RMS
- Surge pulse at the input according IEC-1000-4-5 level 2
- Out to in, two carriers @ 120dBµV, after 10 pulses (25V/1,2µS rise time/500µS duration) at all ports
- IEC 169-20

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