

## ONE-PAIR SPLITTER 1x2 ADSL2+ POTS (OVP)

Passer one-pair splitter **1x2 ADSL2+ POTS (OVP)** is a compact device for separating low frequency POTS signal from high frequency ADSL2+ signal at the Main Distribution Frame (MDF). These types of splitters are developed for inserting in Krone LSA type disconnection modules, or Reichle-DeMassari VS83 Modular and VS92 Standard. This configuration includes :

- Low Pass Filter (LPF)
- Blocking capacitors on ADSL side
- 1x2 IDC connector (Cat. 5e)
- 3-pole GDT with fail-safe clip (optionally).

Overvoltage protection with 3-pole GDT with fail-safe clip can be optionally integrated in splitter, in the case when this protection is not provided elsewhere at the MDF.

### Features

One-pair central office splitters have some significant advantages to the other splitter concepts:

- For single ADSL service installation on existing POTS service **no additional pair of contacts** on MDF disconnection module is required, like with remote splitters. Therefore, **100%** of existing MDF capacity can be used.
- Jumper removal of previous POTS service is **not necessary**. Installation and deinstallation of this splitter is very simple, requiring half of the operations and installation wire needed for the other splitter concepts.
- **No additional tool** for DSLAM connection (ADSL service) is required. Standard IDC connector for manual connection provides guided pair wire installation for ADSL jumper.
- Jumper reinstallation for cancelled ADSL service is **not necessary**.
- Simple serial and parallel **line/POTS/ADSL testing and measurement** using special adapter.

Splitter 1x2 ADSL2+ POTS (OVP) complies with ITU-T G.992.1 Recommendation Annex E.1, G.992.3 and G.992.5.

### ONE-PAIR SPLITTER 1x2 ADSL2+ POTS (OVP) TECHNICAL SPECIFICATIONS

Splitter type	POTS one-pair	
Contact resistance (with disconnection module)	< 15 mΩ	
Line attenuation	< 1 dB	
Group delay distortion	300 Hz - 600 Hz	< 250 μs
	600 Hz - 3200 Hz	< 200 μs
	3200 Hz - 4000 Hz	< 250 μs
Minimum isolation	138 kHz - 2208 kHz	< 55 dB
Contacts on printed circuit board	Ni/Au gilt 2.5-15.0 μm	
IDC connector material	According to EN-VDE Standard	
Splitter housing	Reinforced polycarbonate UL94-V0	
<b>RATEL Certificate No. 1-06-3454-797-1/06</b>		

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