

DC power sources connected to DTS device mains connector

Scope:

- DTS 4020
- DTS 4150
- DTS 4160, DTS 4160i
- DTS 4210
- DTS 4801
- DTS 4802
- DTS 4135
- DTS 4132

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1 Introduction

Typically a mains powered device can as well be powered with DC over the mains connector. In the past different devices have been tested for a correct function in this configuration.

Important to know: This DC supply voltages are not specified in the EMC / EMI and Safety test reports.

This document shall give a short overview of the additional possibilities

2 Devices

The following devices can be used with standard power supply of **110 VDC** or **125 VDC** connected to the mains power connector:

DTS 4020

DTS 4150

DTS 4160, DTS 4160i

DTS 4210

DTS 4801

DTS 4802

DTS 4135

DTS 4132

In general the devices can be supplied with DC voltages in the range from 100 to 230 VDC +/-10% (The DTS 4020 only from 110 to 230 VDC +/-10%).

The DTS 4806 is not mentioned, as it has a different internal power supply and higher power consumption. Therefore a DC power source should be correspondent to the line voltage which is provided with the DC input.

3 Additional Remarks

There is no dedicated connector for this DC Voltage supply. The used rubber connector for mains power (except DTS 4020) has to be used to provide the 110 or 125VDC.

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