

DT240



Four-channel power supply

Product features:

- 4 x 24 VDC, 25 mA stabilised outputs
- All outputs are galvanically isolated from each other
- Overload protection with fold-back characteristics, overload indication, overvoltage protection
- 230 VAC power supply
- Analogue, „silent“ operation
- TS-35 rail mounting, 35 mm width



The **DT240 Four-channel power supply** is designed primarily to supply power for the 4–20 mA two-wire transmitters.

The device makes possible the galvanically isolated power supply of 4 transmitters. The 24 VDC, 25 mA outputs are stabilised, and they are equipped with an overcurrent-protection with fold-back characteristics

The apparatus is free from switching noise, due to its analogue operation.

A green indicator light shows the ON status, and a red indicator light shows the overloading of the outputs.

Technical specifications

Safety data:

The outputs and the AC Mains are galvanically isolated from each other; the isolation is in compliance with the standard EN 61010-1.

Pollution level:	2
Overvoltage group:	II
Test voltage between the outputs	1 KVDC
Overcurrent protection in installation:	6 A

Output parameters:

Number of channels:	4
Output voltage:	24 VDC
Output current:	25 mA (max)
Overvoltage protection:	28,5 V (limiter)
Overcurrent protection:	fold-back characteristics, with overloading indication
Output voltage error:	1 % (max.)
Temperature-coefficient:	250 ppm / °C (max.)
Supply-voltage regulation:	0,1 % (max., in the whole supply voltage range)
Load-regulation:	0,2 % max., in the whole output current range
Ripple:	10 mV p-p (max.)

Power supply:

Supply voltage:	230 VAC, 50/60 Hz
Consumption:	10 VA

Ambient conditions:

Operating temperature range:	0–50 °C
Relative humidity:	90 % (max., non-condensing)
Place of installation:	closed area

Elektromagnetic compatibility (EMC):

accordance with the standard EN 61326:2000

Immunity:	-A- criterion
Noise emission:	-A- class

Data in general:

Housing:	terminal assembly box, rail mounting on a TS-32,TS-35 rails its material: polyamide PA6.6
Connection:	screw-fixed type connection
Cross-section of the connected cable:	2,5 mm ² (max.)
Dimensions:	35 x 99 x 115 mm (width x height x depth)
Weight:	0,35 kg
Protection:	IP 20

The Manufacturer maintains the right to change the technical data.