

## Datasheet

### DC-DC Transformer

# TS 35

**Model 241233 / 241527**  
**for Power supply**  
**for Torque Sensors**

### Field of application

- as an interface between PLC control and torque sensors.
- for voltage stabilization for torque sensor with strongly fluctuating supply voltage 9.5 - 36 V, for example in the car area.
- for galvanic isolation of the supply voltage and control activation.
- universally applicable also for feeding other devices with 12V / 15V supply and up to 300 mA / 240 mA current consumption.



### Special feature

- large input voltage range 9.5 - 36 V
- Galvanic isolation between Power IN and Power OUT
- stabilized 12V / 15V output voltage
- Reverse polarity protection
- short circuits
- large control range 5-28V
- galvanic isolation of the control activation (Check) between Check IN, Check OUT and Power IN
- Control control of the torque sensor with potential separation between supply mass and moment mass
- Housing can be snapped onto standard support rail TS35
- small installation width only 23mm
- Initial state display Power and Check OUT

## Technical Data

Input voltage	9,5 - 36 V DC	
Output voltage	Model 241233	Model 241527
	12 V DC	15 V DC
Output electric current	300 mA	240 mA
Efficiency	80 %	
Radio-interference	EN 55022 Klasse A	
Working temperature	0 bis + 45 °C	
Output ripple	50 mVpp	
Voltage accuracy	± 1,0 %	
Deviation	± 0,3 %	
Temperature coefficient	± 0,02 % / °C	
Insulation resistance	1000 M Ohm	
Control input (min.-max.)		
nominal	5 V / 1 mA – 28 V / 15 mA	
limits	4 / 36 V	
Control output		
	12V (1K/12 mA)	15V(1K / 15 mA)
	(2 K / 6 mA)	(2 K / 7,5 mA)
	depending on the output circuit	
Case	ABS	
Material	ABS	
Colour	grey similar RAL 7035	
Protection	IP 40	
Fixing	more as 35mm support rail	
Dimension	75 x 22,5 x 110 (HxBxT)	
Weight	120 g	
Example for order	TS35 - 24 12 33	

## Connection example

