

WITT TVM 4 – Driving Voltage Monitor

- FSM 300



* Product like copy

Application

The catenary voltage of DC railways must be measured before individual sections can be connected. An electrical connection of those sections may only take place in case all voltage values are within a certain range.

Description

The device monitors the driving voltage of individual sections and supplies information about the voltage values and show if they are within the allowed range. The device does not need any auxiliary power supply and is intended for top-head rail mounting.

Function

If all catenary voltages of the track sections that are to be interconnected lie within the allowed ranges, the interconnection between the track sections can be enabled.

General Data

Supply voltage	none
Power consumption (from measuring voltage)	relaxation <0, 4 W release <2, 5 W
Temperature range	-20 ... 50 °C
Type of protection	IP 40
Measurements (w x h x d)	55 x 77 x 110 mm
Connectors	screw terminal

Input

Operating voltage	400 VDC
Release voltage	200 VDC
Input resistance	> 100 kOhm

Output

Limit exceeded (instantaneous)	Relais, 2 x changer
Switching voltage	max. 250 V
Switching current	max. 8 A
Switching power	max. 2000 WAC / 60 WDC
Dielectric strength of coil contact	max. 4 kVAC