

Deadman's Pedal TFS 002

SMALL RAILWAY EQUIPMENT



The deadman's foot switch TFS 002 is used to monitor the operational readiness of train operators in rail vehicles.

The operator's readiness is indicated by pressing the pedal into the drive position.

Features

Pressing the deadman's foot switch to the middle position (indicated by a pressure point) monitors the driver's readiness for duty.

In this position, the "normally open" contact is closed and the "normally closed" contact is open.

Releasing the foot switch or pressing it all the way to the end position causes the contacts to switch to the opposite position.

If the pedal is moved out of the driving position, the deadman's switch function is automatically activated.

Signal processing and analysis take place in the vehicle control unit.

The TFS 002 meets the high requirements of relevant railway regulations and is designed as a safety-critical vehicle device for continuous use in railway operations.

- Deadman's switch for rail vehicles
 - High operational reliability
 - Forced-opening mechanism
 - 10 million operating cycles service life
- Maintenance-friendly design
 - Robust aluminum construction
 - IP67-rated design
 - Custom designs are possible

Technical Specifications

Rated insulation voltage	250 V	Protection class of the contact chamber	IP40
Control voltage	DC 24 V - DC 110 V (-30 % - +25 %)	Enclosure protection rating	IP67
Rated surge voltage	4 kV	Actuation force before the pressure point	13 N ± 1 N
Contacts	1 NO / 1 NC	Actuation force at the pressure point	40 N ± 3 N
Switch function	Deadman's Switch - Driving - Deadman's Switch	Mechanical service life	≥ 10 million switching cycles
Continuous thermal current	10 A	Weight	approx. 2.3 kg
Short-circuit protection	10 A gL	Material	Aluminum, anodized
Ambient temperature	-25 °C - + 45 °C		

Subject to change without notice

Technical Drawings

Measurements in mm



