

## Laboratory relay type TST tr ET

**For sensitive contact giver with contact protection circuit. VDE worked-up!**

The TST tr is a semi-conducted relay with integrated transformer which is useful for multiple tasks.



### Installation:

This relay is serially a floor-mounted appliance and a tripod clamp on the backside. The units are surrounded by a small plastic housing of grey Makrolon. An on-off switch, aglowlamp for function indication, a 3-pole diode socket for the contact giver as well as a protective contact socket for the controlled consumer load is clearly arranged on the frontside. On the right side a 1,5 m long connection cable with protective contact plug is installed.

### Technical characteristics:

Serially the relay is manufactured for common laboratory operations, that means for switch-on and switch-off of a consumer load. Therefore a short delay is implemented, which papers over chattering of the consumer load. Also serially the relay works after operating current principle, But is also deliverable for quiescent current.

### Security:

We exclusively recommend ouer contact-thermometer with Add-on „st3“ as contact giver for these relays. In connection with these contact-thermometers and our connection cable A2 the relay includes our security circuit DBGGM, which shuts down all consumer lodas if the connection between relay and contact-thermometer is loosen.

The appliance always switches on and switches off in all poles, even the lighting on-off switch.

Operation voltage	230 V, 50 Hz
Type of circuit	Arbeitsstrom-Prinzip
Breaking capacity	10 A/ 220 V
Contact giver load	0,5 mA bei 0,7 V Klemmspannung
Acceptable ambiente temperature	-15 + 40°C
Housing dimensions	120 x 80 x 85 mm
Weight	0,6 kg
Laboratory relay	Type TST tr
With diode socket on both sides	Type A 2
With diode socket on one side	Type A 1
Extra charge for tripod	Add-on "st"