

product specification

Security isolation transformer: PST10024



CE - konform

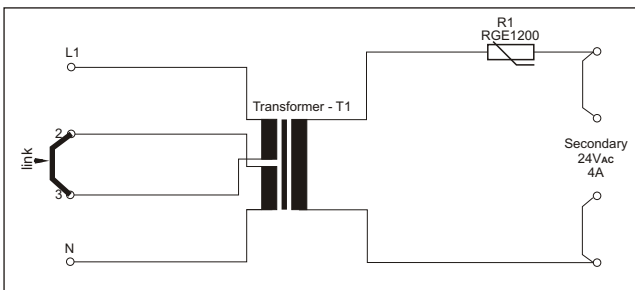
- Output separated according to VDE0551
- Extra low safety potential
PELV (EN 60204) SELV (EN 60950)
- Overload and open circuit protected
- Short circuit proof
- Parallel connection possible
- Vibration proof, suitable for the tropics - epoxy resin casted
- Simple mounting on rail or wall
- Constructed for sinus-oidal input voltage
- Security according to VDE, EN, UL, CSA

Application

The Safety isolating transformer of the PST100 series are powerful and robust transformers to power devices with low alternating input voltage. The PST10024 transforms AC line voltage into short circuit proof 24V_{AC}-output voltage, suited for the consumer. The input voltage can be 115V_{AC} or 230V_{AC}. Due to the uncomplex circuit arrangement the device shows a long life span and a high degree of efficiency (>80%). Because of its robust design, casted in a rugged aluminium housing, it is particularly suitable for being used in rough industrial environment, e.g. in shipbuilding

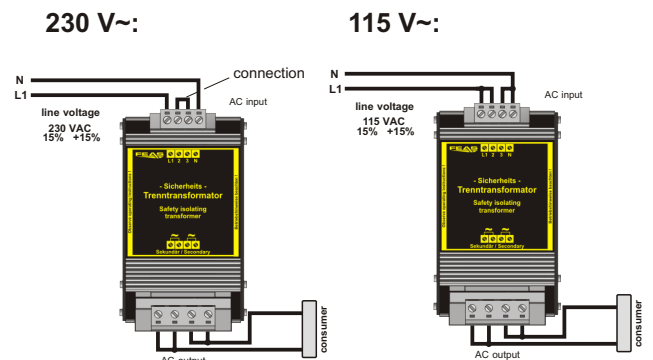
Functional principle

In the safety isolating transformer PST10024 alternating line voltage is transferred through two 115V-inductors and is transformed into 24V_{AC} output voltage

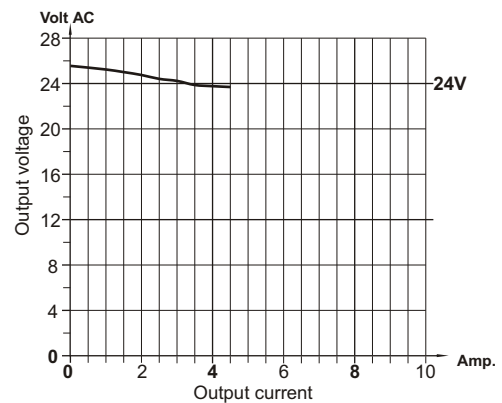



Design

Completely embedded with resin in an aluminium housing for mounting on rail or wall mounting with screws.



Load current diagram
at nominal input voltage



 Please read the data sheets and the user manual for further information.