

# Low voltage instrument transformers



**PFIFFNER has been producing instrument transformers for more than 80 years. The devices perform their tasks in electric plant – day and night, summer and winter. Our instrument transformers meet the requirements of the international customers and are designed for a service life of 40 years.**

PFIFFNER instrument transformers for low voltage applications meet national and international regulations. The transformers can be officially calibrated and are supplied with the appropriate certificates. Our large selection of low-voltage instrument transformers provide an optimal solution for all applications. Our range of products includes current and voltage transformers as well as summation and intermediate current transformers. These transformers in shell construction or potted in permanently elastic resin are available as wound type, DIN-rail or feed-through current transformers. If required, versions for tropical climates are also available.



1

## TSC current transformer TSC 1–8

Low-cost current transformer in shell construction

- toroidal-core current transformer in polycarbonate shell construction
- IEC standard
- DIN-rail fixing integrated in the transformer
- secondary connection is sealable; twin terminals assure easy installation
- fixing base is available as an accessory



2

## Multi-range current transformer TGH/TGK

Transformer with low impedance rating for billing measurements

Current transformers with 5 VA rated impedance and class 0.5 S accuracy are suitable for use with electronic meters. Thanks to their extended measuring range, just 3 current ratings of 300/5, 800/5 and 1500/5 can cover the entire range from 100 to 1500 A.

- transformers can be used on mounting-rails or as clip-on transformers
- primary busbar can be removed



3

## Block current transformer TMAX/MG/TEMBREAK2

For use in compact 100–630 A low-voltage circuit-breakers

These current transformers are suitable for use in low-voltage distribution systems in industry, buildings and special applications.

- three-phase current transformers with voltage taps as well as neutral feed-throughs
- simple and fast fitting
- compact design

Snap-on mounting for DIN 35 mm rails

[1]



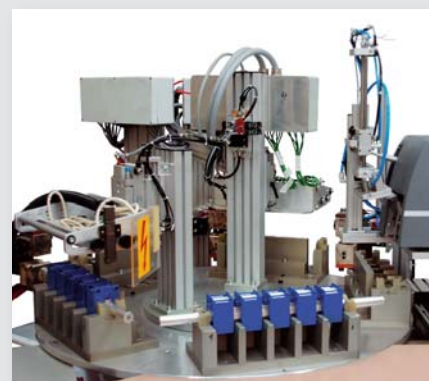
Approved for official calibration

[1, 2, 3, 4, 5, 6]



Automatic testing: Every transformer is tested at 120% rated current

[1]





4

## Feed-through and busbar current transformer TGC/TGE/ TGF/TCH1

Transformer for various areas of application

- mountable on clamp rail
- terminals are sealable
- aperture to customer requirements
- available with mounting plate and primary busbar on request



5

## Summation current transformer TD1/TKB/JLP0.5

Summation current transformers with 2–5 summands

- the use of summation current transformers allows space and cost savings
- summation with identical or differing ratios
- TD1 and TKB with mounting plate



6

## Voltage transformer ELP

Voltage transformers for up to of 2'400 V maximum primary voltage

- potted in artificial resin, compact form
- tropicalised
- terminals are sealable
- primary and secondary windings can be fitted with taps, e.g., 500–380/110–100 V

Polyurethane-potted transformers to meet customer-specific requirements

[ 2, 3, 4, 5, 6 ]



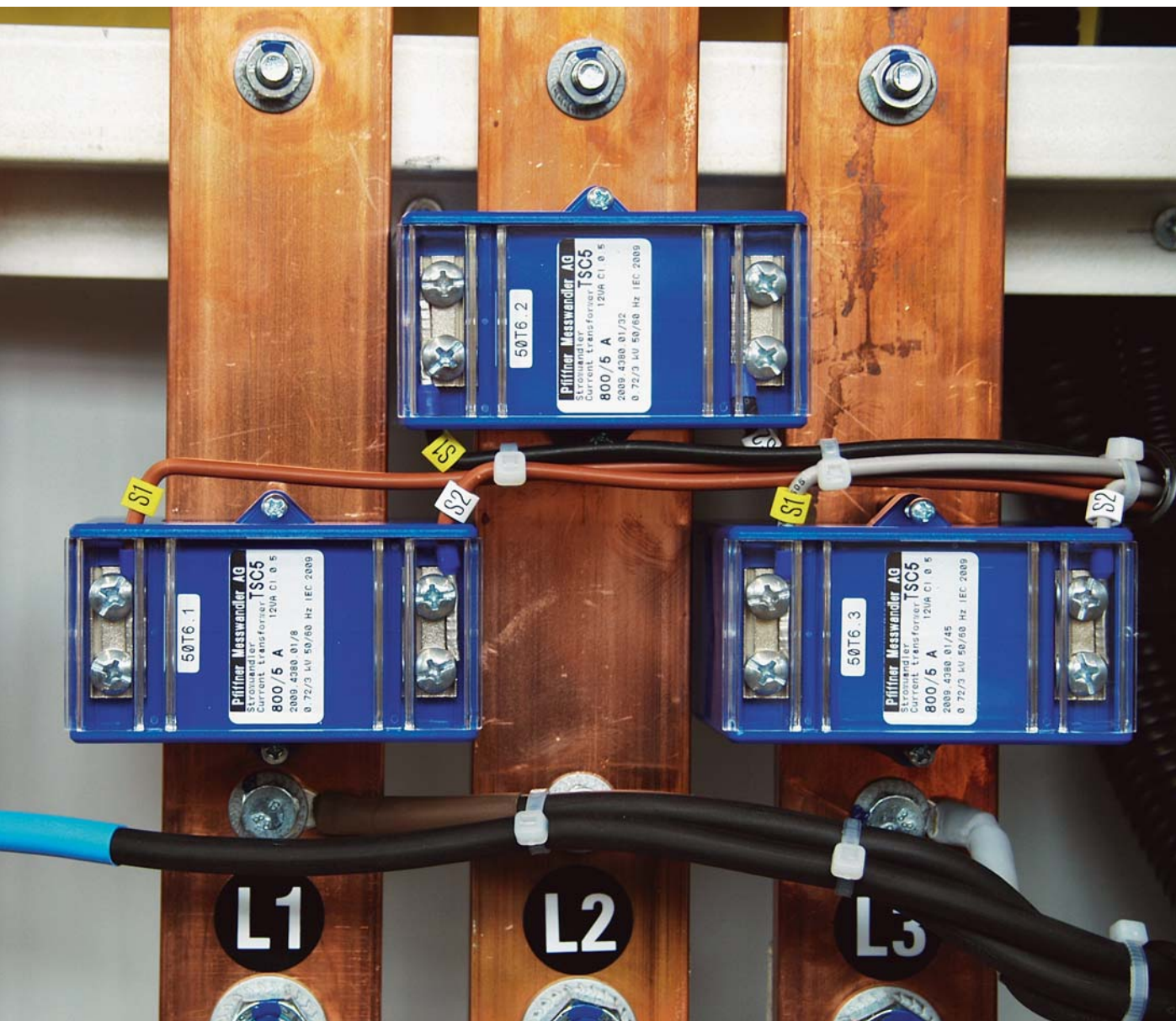
Designed, built and tested in Switzerland (STS 210)

[ 1, 2, 3, 4, 5, 6 ]



Short delivery time, even for calibrated versions





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PIFFNER Instrument Transformers Ltd is the only instrument transformer manufacturer in Switzerland. This internationally successful, family-owned company employs around 200 employees in its main facility.

PIFFNER offers highest quality, maintenance-free, long-life products and innovative solutions. With production facilities on three continents, we cater for the requirements of the particular locations and, in this way, emphasise our customer proximity. Our business philosophy includes a clear commitment to Europe as a production location.

This is why our employees identify themselves with our products and our customers. On the part of our customers, we enjoy their high esteem, loyalty and satisfaction. In this way, we stress the importance of our motto "true values".

