

Ring core current 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 produces ring core current transformers for every measurement and protection application. Various lines of products meet customer-specific requirements for both indoor applications as well as those for outdoor operation.

Thanks to selected core materials and proven designs, precise metering classes are available for all transformer models even for low primary currents. The ring core current transformers can be officially calibrated in our certified laboratories to meet customer requirements.



1

Current transformer JK

- slip-over for indoor application
- suitable for mounting on insulated high-voltage cables
- high voltage insulation is provided by the cable
- primary current up to 4'000 A
- large variety of geometrical configurations
- winding potted in polyurethane
- user-defined positioning



2

Current transformer JKS-S

- split-core for indoor application
- suitable for mounting on insulated high-voltage cables
- high voltage insulation is provided by the cable
- primary current up to 2'000 A
- versions for various cable diameters
- casing made of polycarbonate, winding potted in polyurethane
- user-defined positioning



3

Current transformer JK-G/JKS-G

- slip-over or split-core for outdoor application
- suitable for mounting on insulated high-voltage cables
- high voltage insulation is provided by the cable
- primary current up to 2'000 A
- versions for various cable diameters
- aluminium case for protection

Suitable for billing measurements

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



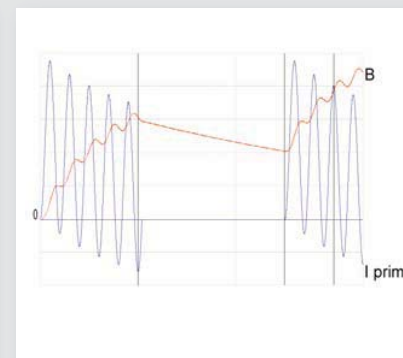
Can be installed in existing plant in a simple way during operation

[2, 3]



Also available for protection classes with transient specifications (TPX, TPY, TPZ)

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





4

Current transformer JKF

- slip-over for outdoor application
- suitable for mounting on cables or bushings
- high voltage insulation is provided by the cable or bushing
- primary current up to 4'000 A
- large variety of geometrical configurations
- winding potted in cycloaliphatic epoxy resin
- user-defined positioning



5

Current transformer AKA

- high-current application
- suitable for air-insulated generator feeders
- high voltage insulation is provided by the air-gap between primary conductor and current transformer
- primary current up to 50'000 A
- diameter appropriate to insulation voltage
- winding potted in epoxy resin
- user-defined positioning



6

Current transformer ALG

- high-current application
- suitable for mounting on high-current bushings
- high voltage insulation is provided by the bushing
- primary current up to 50'000 A
- user-defined positioning

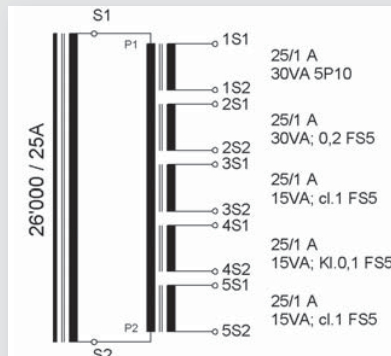
Available as bushing current transformer (Outdoor – outdoor, indoor – indoor, outdoor – indoor)

[1, 4]



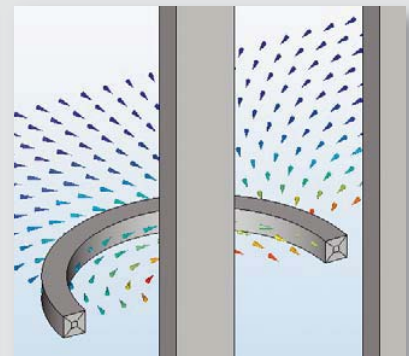
Current transformer cascades for multiple use of the high-current transformer core saves space and costs.

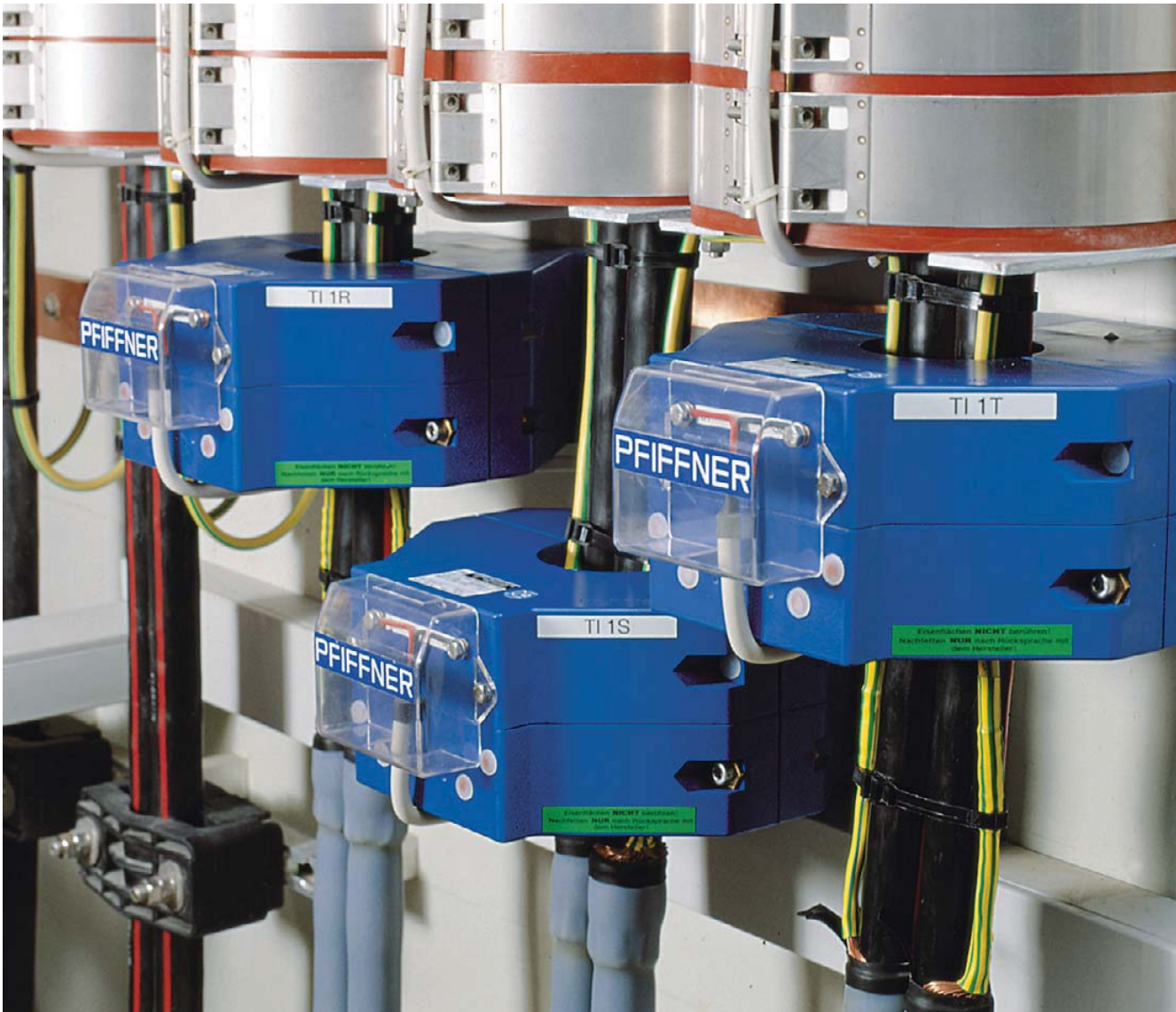
[5, 6]



Magnetic influences caused by return conductors and neighbouring phases are taken into account

[5, 6]





PFIFFNER 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.

PFIFFNER 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".



HIGH VOLTAGE

MEDIUM VOLTAGE

LOW VOLTAGE