

TF 3 / TF 3-1 / TF 3-3 / TF 3-SK

Separation filter to securely connect TDRs to live low-voltage cables



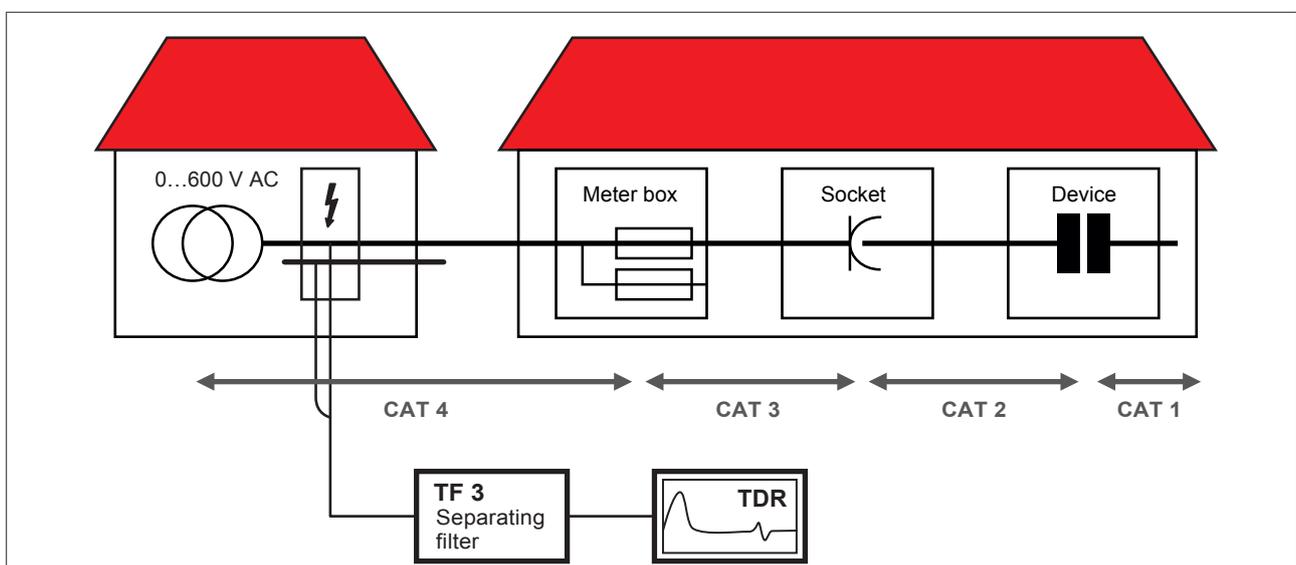
- **Maximum safety**
- **Simple to use**
- **No distortion of measurement**

DESCRIPTION

The TF 3 range of separation filters are used along with reflectometers (TDR = Time Domain Reflectometer) to carry out measurements on live low-voltage cables. This enables intermittent cable faults, like flickering lights, to be located. Measurements can be carried out without disrupting the power supply of customers, and illegally installed branches (T-joints) can be identified. The use of measuring devices on live networks requires constructional safety measures and a corresponding label. These are defined by the engineering standard VDE 0411 / IEC 61010 and divided into the categories of CAT 1 to CAT 4. All TF 3 filters meet the CAT IV/600 V requirements and, as such, can be used without restriction in low voltage networks.

Connection

The method for connecting the separation filter is simple. The protected test leads can be used directly in live cables of up to 600 V. The connection can be made L – N or L – L as required. The safety instructions for work on live cables must be observed during this process. An enclosed extension cable enables connection to busbars which are further apart from one another.



TECHNICAL DATA*

TF 3 / TF 3-1 / TF 3-3

Max. dielectric strength	600 V AC, CAT IV
Frequency / bandwidth	25 kHz to 15 MHz
Cable length	0.5 m
Weight	250 g (incl. accessories)

TF 3-SK

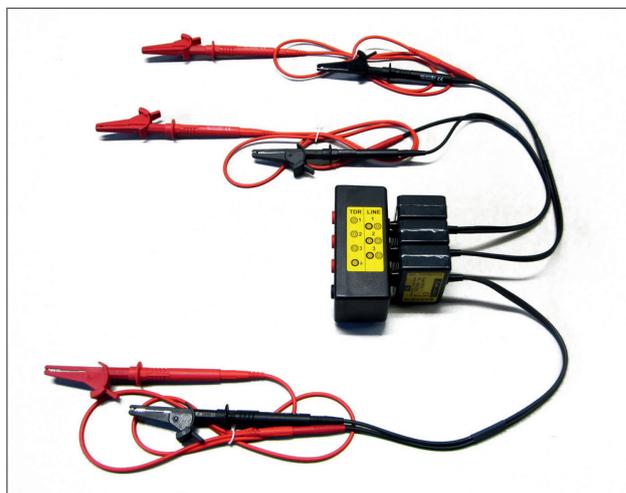
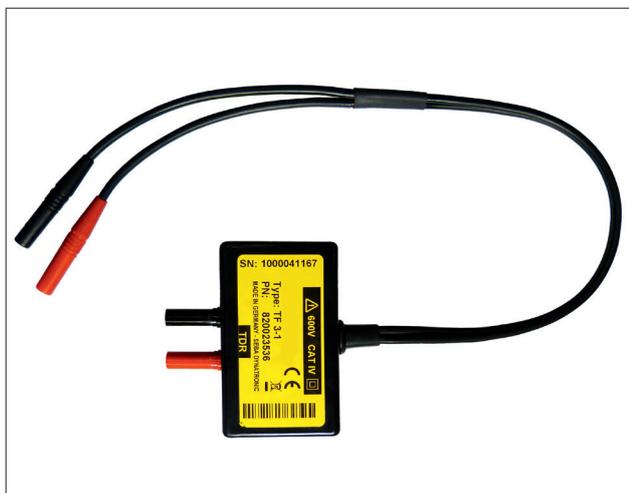
Frequency / bandwidth	175 kHz to 150 MHz
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SCOPE OF DELIVERY

- TF 3-x separation filter
- Fused test terminals
- Extension cable

OPTIONS / ACCESSORIES

- Adapter (BNC to banana plug)



ORDERING INFORMATION

Product		Order no.
TF 3	Use with reflectometer with two outputs	820012276
TF 3-1	Use with reflectometer with one output	820023536
TF 3-3	3 ph LV connection for systems via Teleflex cable(reel)	1004459
TF 3-SK	Narrow-band LV separation filter for step TDRs e.g. Teleflex LV	1004209
Options:		
BNC measurement adapter	4 mm socket	820012415

* We reserve the right to make technical changes.

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CERTIFICATION ISO
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