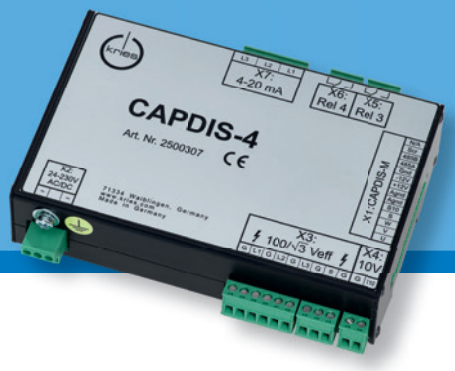
CAPDIS®-4o

Potential Transformer-Replacement

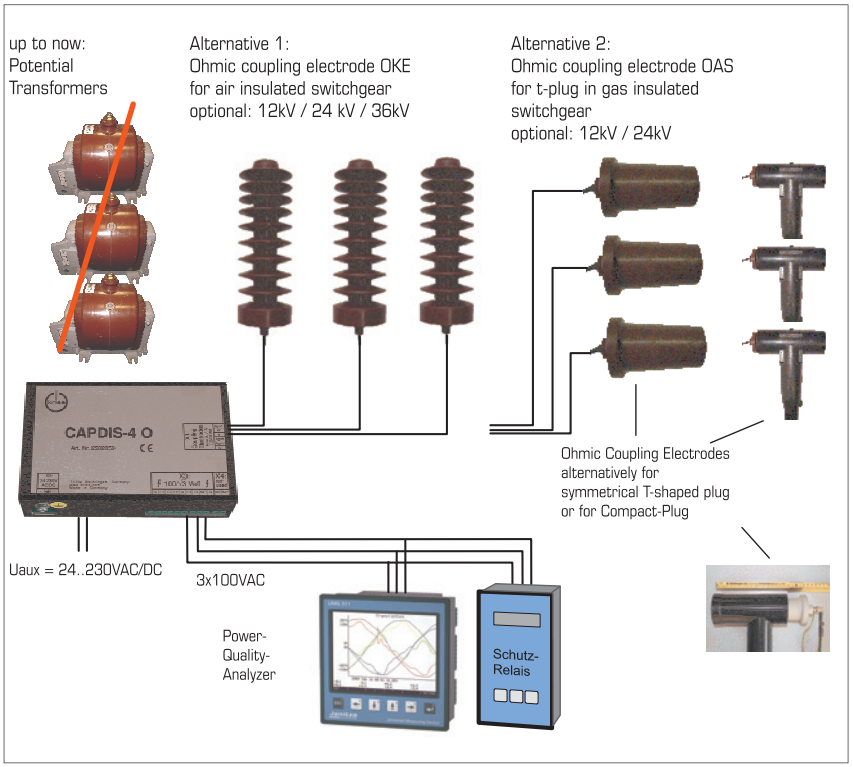


- **CAPDIS-4o**
  Replacement for potential transformer in medium voltage.
  Replacement of inductive voltage transformers by ohmic low power sensors and voltage amplifier CAPDIS-4o.
  System-Class: 1%

- **Handling Advantages**
  - minimum space required, no additional measuring compartment required
  - no demounting during lightning impulse tests required
  - no ferroresonance

- **System-Components**
  - Ohmic divider type OKE for air-insulated switchgears row 12 kV or 24 kV
  - Ohmic divider type OAS for ellbow-plugs in gas-insulated switchgears row 12 kV or 24 kV
  - Voltage amplifier type CAPDIS-4o
    Input: low power signal from ohmic divider
    Output: 3x 100 VAC /√3, 3x 0.5 VA; zero-sequence voltage 100 VAC (only _HF-version)

- **Application**
  Installation of protection relay and network analysers with conventional 100 VAC-voltage input.
  Cost effective alternative for potential transformers in feeders

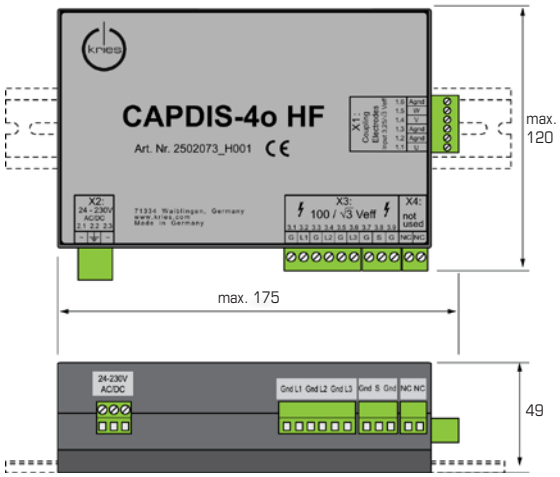


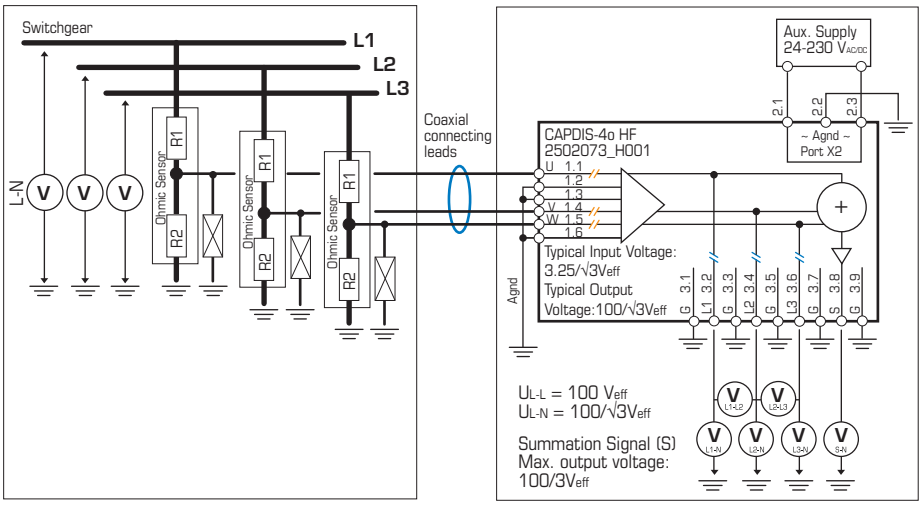
CAPDIS®-4o

Potential Transformer-Replacement

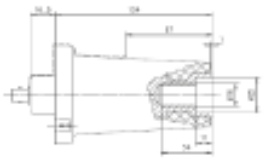
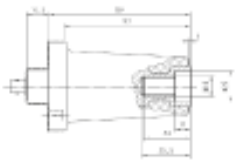
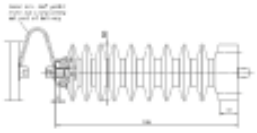
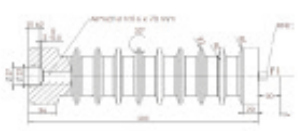
Technical Data

Auxiliary voltage	24 ... 240 VAC/DC
Nominal frequency	50 ... 60 Hz
Power consumption	about 7.5 VA
Protecting degree	IP 40
Input signal	3.25 V / √3
Output signal	3 x 100 VACeff, 3 x 0.5 VA
Temperature range	Storage: -25 °C ... +85 °C Transport: -25 °C ... +85 °C Operation: -20 °C ... +70 °C
Accuracy Class	1, acc. to IEC 60044-7
Weight	600 g
Dimensions	h x w x d = 115 x 175 x 49 mm
Mounting	35 mm-C-bar
Item nos. 2502073 2502073_H001 2502073_H002	 bandwidth fg=200 Hz, no zero-seq. voltage output bandwidth fg=2 kHz, incl. zero-seq. voltage output with burden 200 kOhm for sensors from Zelisko
Connecting leads, coaxial	standard lengths l = 3 m, 6 m





Selection of ohmic dividers

OAS 12, OAS 24 with BNC for asymmetrical ellbow-plugs OAS 12: 100M/32,5k; OAS 24: 200M/32,5k OAS 12: 2043187; OAS 24: 2043188	**OAS 12, OAS 24 with BNC** for symmertrical ellbow-plugs OAS 12: 100M/32,5k; OAS 24: 200M/3,25k OAS 12: 2043623; OAS 24: 2043624	**OKE 12, OKE 24 with BNC** for air-insulated switchgears OKE12; 100M/32,5k; OKE24; 200M/32,5k OKE12: 2043189; OKE 24: 2043190	**OKE 36 with BNC** for air-insulated switchgears 300 M/32,5 k 2043544
			

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