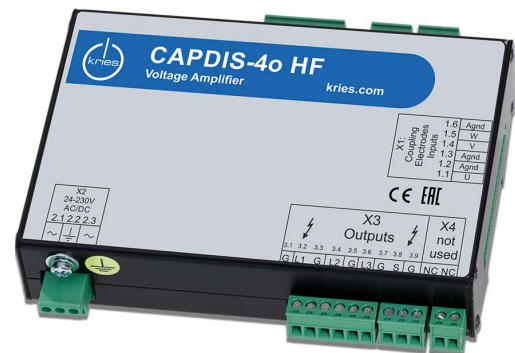


CAPDIS-4o_HF

PT replacement for ohmic sensors

The CAPDIS-4o amplifier provides an output voltage of 3 x 100 VAC in conjunction with three resistive sensors and thus serves as a substitute for three inductive voltage transformers.



Applications

- Connection of protective relays with conventional 100 VAC voltage measurement input
- Connection of universal measuring devices and network analyzers
- for critical safety applications (no ferroresonance)
- Retrofitting even in confined spaces

Precise and economical

- Economical alternative to outgoing voltage transformers

Safety and handling advantages

- minimal space requirement
- no additional measuring field
- no disassembly required for surge voltage tests
- no ferroresonance hazard

Universal system components for all applications

- Ohmic divider type OKE for air-insulated switchgear series 12 kV, 24 kV or 36 kV
- Resistive divider type OAS for right-angle connectors in SF6 switchgear series 12 kV or 24 kV (36 kV on request)
- Voltage amplifier type CAPDIS-4o

This variant

- Maximum accuracy deviation 0.3 %.
- Extended cut-off frequency $f_g = 2$ kHz

Variants

Item number	Description
2502073	CAPDIS-4o Voltage transformer replacement for resistive sensors
2502073_H001	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz
2502073_H001_S003	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz 0.3 %
2502073_H002	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz for Zelisko sensors load 200 kOhm
2502073_H002_S003	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz for ABB (KEVA) and Zelisko sensors input burden 200 kOhm 0.3 %
2502073_H003_S003	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz divider adjustment by exchangeable R2m module

Technical Data

Device data

Article number	2502073_H001_S003
Product designation	CAPDIS-4o_HF Voltage transformer replacement for resistive sensors fg = 2 kHz 0.3 %
Output power per channel	0.50 VA
Output voltage	100 V
Input impedance	47 MOhm
Summation voltage	✓
Cut-off frequency fg	2000 Hz
Input voltage	3.25 V
Maximum phase shift I->O at nominal frequency	0.67
Tolerance/accuracy at nominal frequency	0.30 %
4..20 mA interface	-

Dimensions

Case height x width x depth	120 x 175 x 49 mm
Installation type	C-Rail mounting

Operating conditions

Operating temperature	-20°C ... 55°C
Storage temperature	-25°C ... 70°C
Protection class	IP40

Voltage supply

Auxiliary power supply	24 .. 230 VAC/DC
Power consumption	7,4 VA

Accessories

Article number	Product designation
2045201_H001	OAS24 R2, 24 kV, 0.5 %, for Nexans 400TB, K400TB, KAA4, Suedkabel SEHDT 23, (symmetrical T-Connectors)
2045219_H001	OAS12 R2, 12 kV, 0.5 %, for Nexans 400TB, K400TB, KAA4, Suedkabel SEHDT 23, (symmetrical T-Connectors)
2045237_H001	OAS12 R2, 12 kV, 0.2 %, for Nexans 400TB, K400TB, KAA4, Suedkabel SEHDT 23, (symmetrical T-Connectors)
2045238_H001	OAS24, 24 kV, 0.2 %, for Nexans 400TB, K400TB, KAA4, Suedkabel SEHDT 23, (symmetrical T-Connectors)
2045239_H001	OAS12 R2, 12 kV, 0.2 %, for NKT CB 24-630 M12 up to 300 mm2
2045268_H001	OAS24 R2, 24 kV, 0.5 %, for TE Connectivity: RSTI-58xx, RSTI-CC-58xx(coupling) RSTI-SA-58xx(Surge Arrestor) (asymmetrical)
2045269_H001	OAS24 R2, 24 kV, 0.2 %, for TE Connectivity: RSTI-58xx, RSTI-CC-58xx(coupling) RSTI-SA-58xx(Surge Arrestor) (asymmetrical)
2045271_H001	OAS24 R2, 24 kV, 0.5 %, Nexans 430TB
2045272_H001	OAS24 R2, 24 kV, 0.2 %, Nexans 430TB
2045601_H001	OAS24 R2, 24 kV, 0,5 %, for NKT CB 24-630 M12 up to 300 mm ² / NKT CB 36-1250 M16 up to 630 mm ² bei 24 kV, Suedkabel SET 24
2045602_H001	OAS24 R2, 24 kV, 0.2 %, for NKT CB 24-630 M12 up to 300 mm ² / NKT CB 36-1250 M16 up to 630 mm ² bei 24 kV, Suedkabel SET 24
2045226	OKE 12, 12 kV 0.5 %
2045227	OKE 24, 24 kV 0.5 %
2045228	OKE 36, 36 kV 0.5 %
2045241	OKE 12, 12 kV 0.2 %
2045242	OKE 24, 24 kV 0.2 %
2045243	OKE 36, 36 kV 0.2 %
2045500	OKE12 IEEE, 12 kV 0.5 %, IEEE version

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Article number	Product designation
2045501	OKE 24 IEEE, 24 kV 0.5 %, IEEE version
2045503	OKE 36 IEEE, 36 kV 0.5 %, IEEE version



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