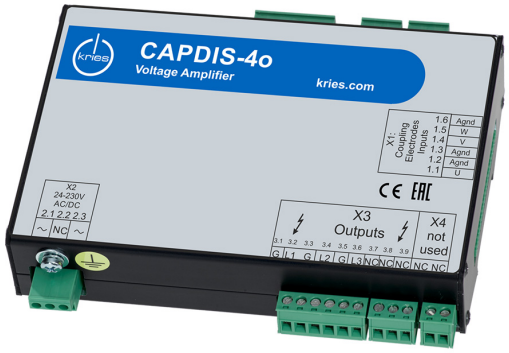
CAPDIS-4o

PT replacement for ohmic sensors

The CAPDIS-4o amplifier provides an output voltage of 3 x 100 or 110 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

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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	CAPDIS-4O
Quantity unit	Piece
Product designation	CAPDIS-4o Voltage transformer replacement for resistive sensors

Output power per channel	0.50 VA
Maximum output voltage	110 V
Input impedance	47 MOhm
Summation voltage	-
Cut-off frequency fg	200 Hz
Maximum input voltage	3.25 V
Maximum phase shift I->O at nominal frequency	0.67
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

Summation voltage	-

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 mm² / NKT CB 36-1250 M16 up to 630 mm² bei 24 kV, Suedkabel SET 24
2045602_H001	OAS24 R2, 24 kV, 0.2 %, for NKT CB 24-630 M12 up to 300 mm² / NKT CB 36-1250 M16 up to 630 mm² 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 %

Article number	Product designation
2045243	OKE 36, 36 kV | 0.2 %
2045500	OKE12 IEEE, 12 kV | 0.5 %, IEEE version
2045501	OKE 24 IEEE, 24 kV | 0.5 %, IEEE version
2045503	OKE 36 IEEE, 36 kV | 0.5 %, IEEE version

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