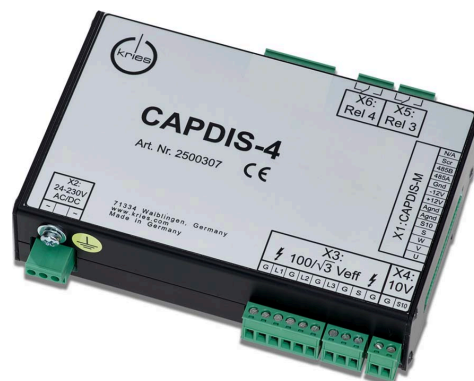


CAPDIS-4

Voltage transducer

Voltage amplifier can be used as a voltage transformer substitute. Together with the CAPDIS-M, the CAPDIS-4 can use the CAPDIS-Sx series devices as capacitive voltage sensors, generating e.g. 3 x 100 VAC to replace three inductive voltage transformers.



Properties

The CAPDIS-4o amplifier provides an output voltage of 3 x 100 or 110 VAC /sqrt (3) in conjunction with three ohmic coupling electrodes. The amplifier can therefore be used as a substitute for three inductive voltage transformers.

- economical alternative to feeder voltage transformers
- minimal space requirement, no additional measuring compartment needed
- no disassembly required for surge voltage tests
- no risk of ferroresonance
- 3 current outputs 3 x 0 (4) ... 20 mA
- 4 voltage outputs 100 VAC, 0.5 VA per channel
- Incl. system cable 3 m to CAPDIS-M

Variants

Item number	Description
2500307	CAPDIS-4 Voltage Transducer System Cable 3 m
2500307_H001	CAPDIS-4 Voltage Transducer 110 V Output System Cable 3 m
2500307_H005	CAPDIS-4 Voltage Transducer without 4-20 mA Output System Cable 0.3 m
2500307_H006	CAPDIS-4 Voltage Transducer without 4-20 mA output system cable 1.5 m



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Item number	Description
2500307_H007	CAPDIS-4 Voltage Transducer without 4-20 mA output without system cable

Technical data

Device data

Article number	2500307
Product designation	CAPDIS-4 Voltage Transducer System Cable 3 m
Output power per channel	0.50 VA
Maximum output voltage	100 V
Summation voltage	✓
Accuracy class amplitude	3
Accuracy class of phase angle	Applies in each case depending on the used C2m module of the Capdis-Sx+: Capdis-S1+R3/R4: 1,500 pF < C2m < 3,300pF: Class 6P (±4°) C2m > 3. 300pF: Class 3P (±2°) Capdis-S2+R3: C2m > 15,000 pF Class 6P (±4°) Capdis-S2+R4: C2m < 3. 300 pF Class 6P (±4°) C2m > 3,300pF: Class 3P (±2°) Capdis-Pi-RR3/RR4: 1,500 pF < C2m < 3. 300pF: Class 6P (±4°) C2m > 3,300pF: Class 3P (±2°) Note: Capdis-Pi-HR is not suitable for use with Capdis-M.
Cut-off frequency f_g	2500 Hz
Maximum input voltage	1.50 V
System cable	3m
4..20 mA interface	✓

Dimensions

Case height x width x depth	130 x 175 x 49 mm
Mounting	DIN rail
Installation type	C-Rail mounting

CAPDIS-4

Voltage transducer

Operating conditions

Operating temperature	-20°C ... 55°C
Storage temperature	-25°C ... 70°C
Protection class	IP40
Summation voltage	✓
Auxiliary power supply	24-240V AC/DC
Power consumption	16 VA
CT-supplied	-
Capacitor buffer	-



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