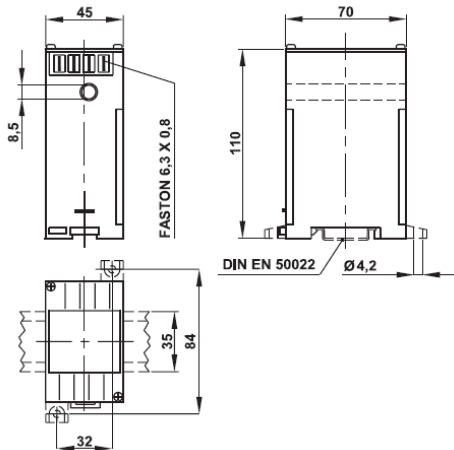


A.C. Transducer for A.C. Current with Auxiliary Voltage



TECHNICAL DATA

accuracy (class)	1%
frequency	50, 60 or 400 Hz
self-consumption	3VA
continuous overload	2 I _n
short-term overload	20 I _n
ripple	<1%
response time	<200ms
storage temperature	-30...+70°C
operating temperature	-10...+50°C
test voltage	2kV-50Hz-60s
surge test	5kV
input range	5...120%
galvanic insulation of input, output and auxiliary voltage	

input A.C.	output D.C.	max. burden	Order Code
10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A	0-1mA 0-5mA 0-20mA 4-20mA 0-10V	15 kΩ 3000 Ω 750 Ω 750 Ω ≥ 2000 Ω	MCOEAQ50 MCOEAQ50 MCOEAQ50 MCOEAQ50 MCOEAQ50
10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A	0-1mA 0-5mA 0-20mA 4-20mA 0-10V	15 kΩ 3000 Ω 750 Ω 750 Ω ≥ 2000 Ω	MCOEAR50 MCOEAR50 MCOEAR50 MCOEAR50 MCOEAR50

Transducers type **MCOEAQ50** are used for converting a sinusoidal A.C. current into a proportional impressed D.C. current or D.C. voltage.

Transducers type **MCOEAR50** are used for converting a **non-sinusoidal** (TRMS) A.C. current into a proportional impressed D.C. current or D.C. voltage.

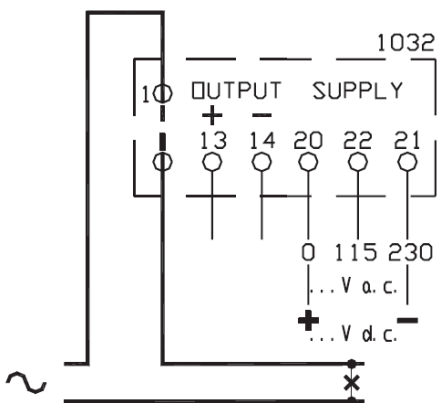
possible additional error: (crest factor) <3 = 0,5% or <7 = 1%

auxiliary voltage: 115V and 230V A.C. ±10% (3VA)
on demand: 24 - 400V A.C. (3VA)
24-48-110V D.C. -10 +20% (3VA)

Transmission behavior: characteristic curve A or curve C

Order Information

- Order Code
- Primary Current
- Frequency
- Secondary Current or Voltage
- Auxiliary Voltage



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