

SPECIFICATIONS

INPUT FAMA

Nominal input V_N	AC voltage
Max. continuous input	Specify from 10 to 600 V $40\sqrt{U_N}$ V rms. $10\text{ V} < U_N < 300\text{ V}$ 720 V rms. $U_N > 300\text{ V}$ approx. 2 K Ω / V
Input resistance	0 to 5000 Hz
AC frequency range	

PERFORMANCE PARAMETERS

TIMING	
Response time	< 200 msec. 0-90% or 100-10%
ELECTRICAL	
Precision	Class 0.5
Linearity	< 0.2 %
Supply dependence	< ± 0.01 % / % DU supply
Temp. dependence	< ± 0.01 % / °C
Ripple	< 1 % pp

OUTPUT

The output amplifier is protected against open and short circuit.

SUPPLY

AC and DC	18-360 VDC and 20-264 VAC with isolated switchmode supply
AC supply range	
with transformer	24 V (From 20 to 28 V) 110 V (From 99 to 140 V) 230 V (From 198 to 264 V) 400 V (From 342 to 484 V)

Frequency range	45 to 440 Hz (transformer)
Power consumption	2.5 VA, 1.1 W
Frequency range	45 to 440 Hz
Power consumption	2.5 VA, 1.5 W

PLUG-IN supply module According to specifications

GENERAL

Temperature range	- 25 °C to + 55 °C	
Humidity	Up to 90 % RH non-condensing	
Dielectric test voltage	Input to output	4000 VAC
	Input to supply (internal)	4000 VAC
Weight	Output to supply (internal)	4000 VAC
		0.20 kg with internal supply



EMC directive 89/336:

International Standards	
EN50081 - Emission	
EN50082 - Immunity	
EN60255 - Electrical Relays	
EN60688 - Measuring transducers	

Low voltage directive 73/23:

ORDERING INFORMATION

EXAMPLE:

TYPE

Frequency measuring transducer

FREQUENCY RANGE

Lower level
The first three figures of the frequency in Hz, e.g. 45.0 Hz

Followed by:

- 0 for Hz = 1.00 to 9.99
- 1 for Hz = 10.0 to 99.9
- 2 for Hz = 100 to 999

High level

The first three figures of the frequency in Hz, e.g. 55.0 Hz

Followed by:

- 0 for Hz = 1.00 to 9.99
- 1 for Hz = 10.0 to 99.9
- 2 for Hz = 100 to 999

VOLTAGE RANGE

The first three figures of the voltage in Volt, e.g. 400 V

Followed by:

- 1 for V = 10.0 to 99.9
- 2 for V = 100 to 999

SUPPLY VOLTAGE

18-360 VDC and 20-264VAC	E400
20-28VAC	B024
99-140VAC	B110
198-264VAC	B230
342-484VAC	B400

OUTPUT

Programmable with dipswitch
0 - 10 mA, 2 - 10 mA,
0 - 20 mA, 4 - 20 mA,
0 - 5 V, 1 - 5V
0 - 10 V, 2 - 10 V

HOUSING

Rail mounting with internal supply
Rail mounting with Plug-in supply module
Socket 11 pin with internal supply
Socket 11 pin with Plug-in supply module

SIZE

35 mm.

CODE

Code end
Extended code

