Reed Frequency- meters

Analogue indicator to measure frequency

Description

- Does not need an auxiliary power supply
- DIN box with dimensions: 72, 96 and 144 mm
- Class 0.5
- Independent measurement of the wave shape

Application

Measurement of the frequency in alternating current circuits, for any type of wave shape and under adverse environmental and physical conditions.

Features

	HLC
Input circuit	
Consumption	1 ... 3.6 V·A
Nominal operating frequency	50 or 60 Hz
Overloads	1.2 U_n permanent 2 U_n during 5 s
Measurement voltage	Standard 230 Vac Optional 100...120 Vac / 380...440 Vac
Accuracy	0.5 % FS
Ambient conditions	
Operating temperature	+10 ... +30 ºC
Limit temperature	- 25 ... +40 ºC
Altitude	2000 m
Build features	
Dimensions	See the following table
Weight	See the following table
Type of box	panel
Degree of protection:	
Front panel	IP 52
Terminals	IP 00
Insulation voltage	2 kV, during 1 min, between the mechanism and the box
Standards	**BS 89, EN 60051, IEC 144, UL 94, DIN 43780, IEC 51, UNE 21318**

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References

Reed Frequency meters				
Type		**HLC 72**	**HLC 96**	**HLC 144**
Class		**0,5**		
Dimensions (mm)				
	**a** **b** **c**	72 72 49,2	96 96 49,2	144 144 71,8
Weight (g)		230	300	423
Hz				
47...53, 13 reeds		**M12921**	**M12931**	**M12941**
45..0.55, 11 reeds	**50 Hz**	**M12921002**	**M12931002**	**M12941002**
47...53, 7 reeds		**M12921005**	**M12931005**	**M12941005**
57..0.63, 13 reeds		**M12921001**	**M12931001**	**M12941001**
55..0.65, 11 reeds	**60 Hz**	**M12921003**	**M12931003**	**M12941003**
57..0.63, 7 reeds		**M12921004**	**M12931004**	**M12941004**

Coding table

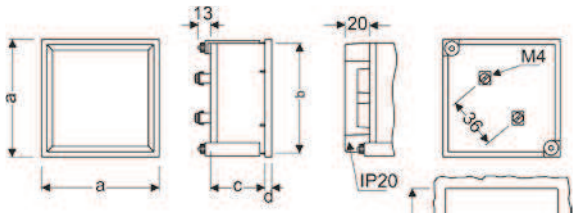
HLC Frequency meters

M	1	X	X	X	X	0	0	X	X

Code		Internal Code	
Frequency / No. reeds	Standard (47...53 Hz/ 13 reeds)	0	
	57...63 Hz / 13 reeds	1	
	45..0.55 Hz / 11 reeds	2	
	55...65 Hz / 11 reeds	3	
	57...63 Hz / 7 reeds	4	
	47..0.53 Hz / 7 reeds	5	
Voltage	Standard (230 V)		0
	100 ... 120 V		1
	380 ... 400 V		3
	440 V		4

Dimensions

HLC



Type	a	b	c	d	e
72	72	67,2	43,5	5,7	68 $^{+0,8}$
96	96	91	43,5	5,7	92 $^{+0,8}$
96 (c)	96	91	57,2	5,7	92 $^{+0,8}$
144	144	137	64,5	7,3	138 $^{+1}$

Dimensions (mm)

Connections

HLC