



CA32D, CA39D PANEL DOUBLE FREQUENCY METER

CE

APPLICATION

CA32D, CA39D double pointer frequency meters are moving-coil meters with built-in measuring transducers intended for measuring voltage frequency in AC electrical networks.

TECHNICAL	DATA
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IECHNICAL DATA	Table 1	
Measuring range	Accuracy class	Code
45 55 Hz	0.5	1
45 65 Hz	0.5	2
55 65 Hz	0.5	3
360 440 Hz	0.5	4
380 420 Hz	0.5	5

Input voltages

Table 2

Innutvaltages	Code
Input voltages	Code
60 V	1
100 V	2
110 V	3
230 V	4
400 V	5
415 V	6
440 V	7
500 V	8

Rated operating conditions

- ambient temperature	
rolativo air humidity	

- relative all numbility	
Power consumption	

25...85% < 7\/A

Power consumption		≤ /VA			
Protection Grade acc. to	EN60529				
- front protection grade:	in standard	IP 52			

-10...<u>23</u>...55°C

IP 65 - only CA39D on request

- terminal protection (with a terminal protection cover) - IP20

Electromagnetic compatibility:

- emission	acc. EN 61000-6-4 standard
- immunity	acc. EN 61000-6-2 standard
Safety requirements	acc. EN 61010-1+A1 standard
 installation category 	III
- level of polution	2
Maximal working voltage	
in relation to the earth	660 V AC

Housing	materiai

thermoplastic,

Glass material

self-extinguishing plastic (UL 94V-O) glass (in standard)

anti-reflective glass on request

Weight - CA

– CA32D	
– CA39D	

ACCESSORIES

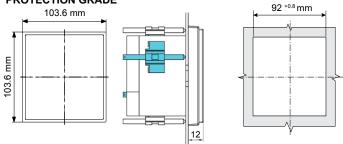
We deliver with the meter:

- holders fixing the meter to the plate - 2 pcs. (for CA39D) or 4 pcs. (for CA32D).

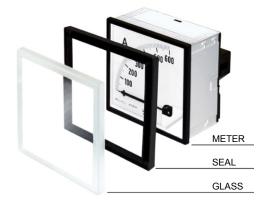
490 g

280 g

EXTERNAL DIMENSIONS OF CA39D METER FOR IP65 **PROTECTION GRADE**



Included are two screw holders which should be fixed on arbitrary, opposite case corners





EXTERNAL DIMENSIONS OF CA39D, CA32D

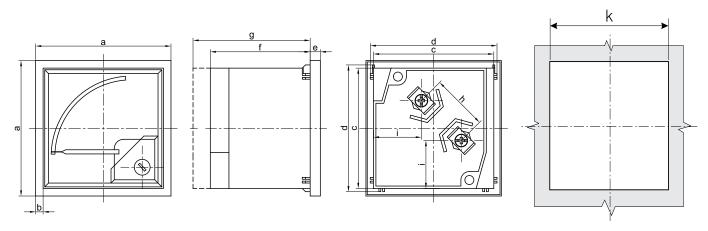


Fig. 1. External dimensions of CA36, CA37, CA39, CA32 meters.

External dimensions od CA39D, CA32D [mm] meters.

Туре	а	b	С	d	е	f	g	h	i	k*
CA39D	96	4	88	91,5	5,5	53	64	30	27,2	92+0,8
CA32D	144	5,5	136	137,5	8,5	53	64	30	37	138+1

* panel cut-out dimensions

WORKING POSITION

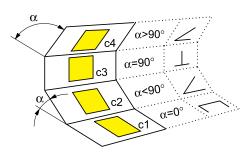


	Table 4
Code	Working position
0	c3
Α	c1
В	c2 α = 15°
С	c2 α = 30°
D	c2 α = 45°
Е	c2 α = 60°
F	c2 α = 75°
н	c4 α = 105°
Ι	c4 α = 120°

Table 3



WAY OF THE METER FIXATION ON THE PANEL.

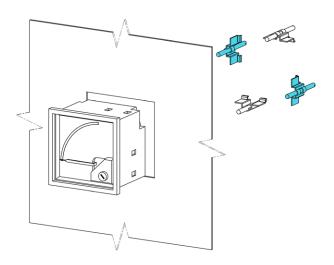


Fig. 2. Fixing of meters CA39D in the panel (version with IP52) 1 ¹ Included are two screw holders which should be fixed on arbitrary, opposite case corners

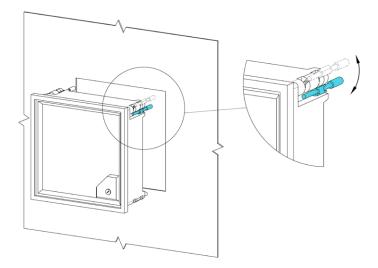


Fig. 3. Fixing of CA32D meters (version with IP52)²

²The meter is fixed to the panel by two screw holders situated on opposite corners of the case.

PANEL FREQUENCY METERS CA32D, CA39D	х	x	x	x	x	xx	x
Measuring range 1:							
write in the code acc. table 1	Х						
Measuring range 2:							
write in the code acc. table 1		Х					
Rated voltage for range 1:			-				
write in the code acc. table 2			Х				
Rated voltage for range 2:							
write in the code acc. table 2				Х			
Working position:					-		
write in the code acc. table 4					Х		
Version:							
standard						00	
custom-made*						ΧХ	
Acceptance tests:							-
Without additional requirements							0
With a certificate delivered by the Technical Inspect	tion	De	pt.				1
Other requirements*							Х

* The version number is settled by the manufacturer.

Example of order

Code: CA39D 12450000, means:

The version of a frequency meter with one pointer for frequency measurement 45...55 Hz, rated voltage: 230 V and second pointer for frequency measurement 45...65 Hz, rated voltage: 400 V, working position: c3 (90°- vertical), standard version, without additional requirements.



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CA32,39D-19_en

ORDERING PROCEDURE

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CONNECTIONS

