

Moving-coil voltmeter (DC)

Moving-coil Voltmeter

Analogue indicator to measure DC voltage



Description

- No need for auxiliary power supply, only the CEC 96 type
- DIN boxes with dimensions: 48, 72, 96 and 144
- Precision class 1.5
- Measurement in DC 25 uA ... 60 A, or ... 60 mV
- Exchangeable scales for BC48, BC72, BC96, BM 45
- The alarm system can be fully configured for CBC 96

Application

In direct current applications, to control the state of the current quickly and visually.

Features

	BC	BM	CBC 96
Auxiliary power supply			230 V ac
Consumption		-	2.5 V·A
Frequency		-	40 ... 90 Hz
Input circuit			
Consumption	1000Ω		0.2 V·A
Frequency	20 ... 100 Hz		45 ... 65 Hz
Overloads	1.5 U_n permanent 2 U_n permanent 5 s		1.2 U_n permanent
Temp. Coefficient			100 ppm / °C
Class	1.5 % FS		
Ambient conditions			
Operating temperature	+10 ... +30 °C		+ 5 ... +55 °C
Limit temperature	- 25 ... +40 °C		-25 ... +70 °C
Altitude		2000 m	
Build features			
Dimensions	See the following table		
Weight	See the following table		
Type of box	panel	DIN rail	panel
Degree of protection:			
Front panel	IP 52		IP 52
terminals	IP 00		IP 20
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, CE		IEC51, IEC 1010, IEC 529, IEC 255, IEC 278, IEC 414, IEC 144, LLOYD'S (TEST. ESP. No. 1)

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References

BC: Voltmeters 90°

BM: Voltmeters 90°, DIN rail

CBC96: Voltmeters with relay 90°



Voltmeters, 90°						Voltmeters with relay	
Type	BC 48	BC 72	BC 96	BC 144	BM 45	CBC 96	
Class	1,5						
Scale	90° , P1					90° , P1	
Dimensions (mm)							
	a	48	72	96	144	85	96
	b	48	72	96	144	52	96
	c	66,2	49,2	49,2	71,8	65	85,3
Weight (g)	75	170	210	420	110	435	
V							
0..0.10 V	M11813	M11823	M11833	M11843	-	-	
1	M11711	M11721	M11731	M11741	-	-	
15	M11714	M11724	M11734	M11744	M11754	-	
30	M11716	M11726	M11736	M11746	M11755	-	
60	M11718	M11728	M11738	M11748	M11756	-	
100	M11719	M11729	M11739	M11749	M11757	-	
150	M1171A	M1172A	M1173A	M1174A	M11758	M14841	
250	M1171B	M1172B	M1173B	M1174B	-	M14842	
300	-	-	-	-	-	M14843	
400	M1171D	M1172D	M1173D	M1174D	-	M14844	
500	M1171E	M1172E	M1173E	M1174E	-	M14845	
600	M1171F	M1172F	M1173F	M1174F	-	M14846	

*Scale not included, indicate voltage input

*Inputs of more than 10 mV, on demand

Coding table

BC and BM Voltmeters	M	1	X	X	X	X	0	0	X
	Code						Internal Code		↑
	Setting		Standard						0
Central zero						1			

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References

BC

Type	Fig. BC	a	b	c	d	e
48 mm	1-3	48	44,7	61	5,2	45
72 mm	2-3-4	72	67,2	43,5	5,7	68
96 mm	2-3-4	96	91	43,5	5,7	92
144 mm	2-3-4	144	137	64,5	7,3	138

Dimensiones (mm)

CBC

BM45

Connections

