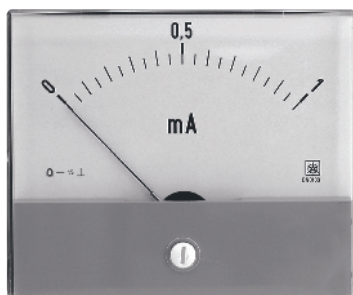


ANALOGUE METERS

METERS FOR DC AND AC VOLTAGE OR CURRENT WITH MOVING COIL BN 0x03, CN 0x03

USE



BN 0103, CN 0103

Owing to a special form and available colours, BN and CN meters are especially convenient for building into different control devices. The accuracy class is 1.5. The scale is not interchangeable. BN meters are intended for DC currents or voltages, and CN meters for AC currents or voltages.

CHARACTERISTICS

TYPE	BN 0103	BN 0203	CN 0103	CN 0203
Front frame (mm)	86 x 72	115 x 96	86 x 72	115 x 96
Cutting for mounting (mm)	∅ 65	∅ 65	∅ 65	
Scale length (mm)	60	90	60	90
RATING				
0 - 40 µA ... 60 µA	●	●	—	—
0 - 100 µA ... 600 µA	●	●	●	●
0 - 1 mA ... 10 mA	●	●	●	●
0 - 15 mA ... 600 mA	●	●	—	—
4 ... 20 mA ³⁾	●	●	—	—
0 - 1 A ... 6 A	●	●	—	—
0 - 10 A ... 25 A	●	●	—	—
0 - 40 A, 60 A	●	●	—	—
x A / 1 A, x A / 5 A ²⁾	—	—	●	●
x A / 60 mV ¹⁾	●	●	—	—
0 - 100 mV ... 600 mV	●	●	—	—
0 - 1 V ... 600 V	●	●	●	●

¹⁾ A meter for connection to a separate shunt.

²⁾ A meter for connection to a current measuring transformer

³⁾ A version with electrical zero point suppression.

A version with mechanical zero point suppression available on request.

AMMETERS RATINGS AND INTERNAL RESISTANCE

BN 0103, BN 0203	
A / Ω	40 / 5650, 60 / 4710, 100 / 2250, 150 / 1950, 250 / 990, 400 / 350, 600 / 150
A ¹⁾	1, 1.5, 2.5, 4, 6, 10, 15, 25, 40, 60
Voltage drop on terminals approx. 60 mV	
CN 0103, CN 0203	
µA	100, 150, 250, 400, 500, 600
mA	1, 1.5, 2.5, 4, 5, 6, 10
Voltage drop approx. 1.5 V	
A/Voltage drop (V) x/1A - 0.1 V, x/5A - 0.03 V	

VOLTMETERS RATINGS

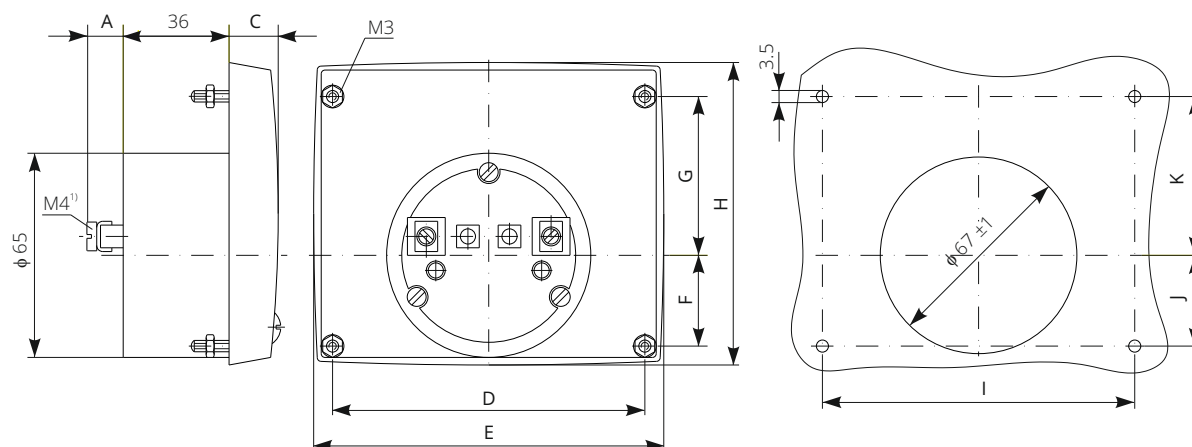
BN 0103, BN 0203	
mV ¹⁾	60, 100, 150 - 5 mA system
V	1, 1.5, 2.5, 4, 6, 10, 15, 25, 40, 60, 100, 150, 250, 400, 600
- characteristic resistance 1 kΩ/V	
- 1 mA system	
CN 0103, CN 0203	
V	2.5, 4, 6, 10, 15, 25, 40, 60, 100, 150, 250, 400, 500, 600
- characteristic resistance 1 kΩ/V	

¹⁾ Current through a meter approx. 5 mA

ANALOGUE METERS

METERS FOR DC AND AC VOLTAGE OR CURRENT WITH MOVING COIL BN 0x03, CN 0x03

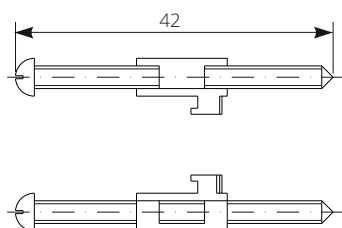
DIMENSIONS (in mm)



TYPE		DIMENSIONS (in mm)						
		A	C	D	E	F	G	H
BN 0103	for ratings from 7.5 A to 60 A	13	11.5	64 ^{±0.2}	85	25 ^{±0.2}	25 ^{±0.2}	72
BN 0103		16.5	11.5	64 ^{±0.2}	85	25 ^{±0.2}	25 ^{±0.2}	72
BN 0203	for ratings from 7.5 A to 60 A	13	16	103 ^{±0.2}	105	31 ^{±0.2}	51 ^{±0.2}	96
BN 0203		16.5	16	103 ^{±0.2}	105	31 ^{±0.2}	51 ^{±0.2}	96
CN 0103		13	11.5	64 ^{±0.2}	85	25 ^{±0.2}	25 ^{±0.2}	72
CN 0203		13	16	103 ^{±0.2}	105	51 ^{±0.2}	51 ^{±0.2}	96

FIXING ELEMENTS

with a screw



for mosaic fixing

