



## *Analogue Meters CQ3207*

### **CQ - Moving-Coil Panel Ammeter CQ3207**

- For measurement of phase current in three phase system
- Easy selecting of desired current with a selector switch
- Good read-out survey on larger distance
- Resistance to mechanical vibrations
- Protective cover for terminals

**PROPERTIES**

- For measurement of phase current in three phase system
- Easy selecting of desired current with a selector switch
- Good read-out survey on larger distance
- Resistance to mechanical vibrations
- Protective cover for terminals (optional)

**APPLICATION**

Instruments with moving-coil and rectifier are designed for mounting into supervision panels and A.C. current measuring equipment, where small internal consumption of the instrument is required. They are provided for measurement of A.C. currents of sinuous curve within a 40 ... 65 Hz frequency range.

**CONSTRUCTION**

Moving-coil instruments measure mean value of rectified current. The scale is expressed in effective values at sine form of the measure quantity. Distortion or deviation from the sine form for more than 1% entails additional errors. Ammeters are provided with a built-on transformer for measurement with measuring transformers .../1 A and .../5 A.

Instrument is available in one size: CQ3207 with front frame dimensions 96 x 96 mm.

**MEASURING RANGE:**

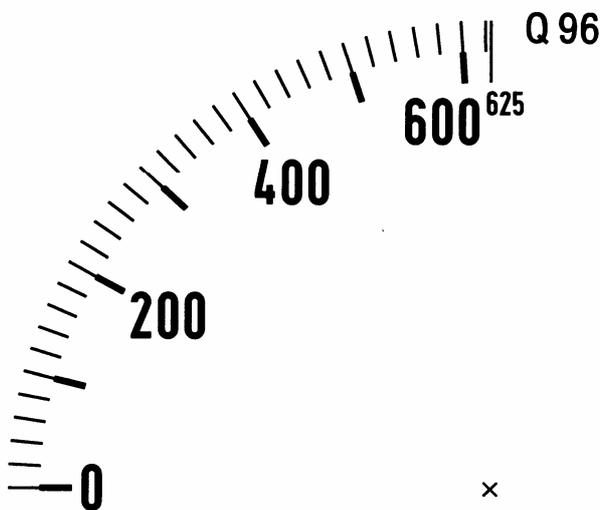
**AMMETERS:**

Measuring range (A)

1 5

Instruments for connection to instrument transformers have the following ratings: 1-1.2-1.5-2-2.5-3-4-5-6-7.5 (8) and decade multiples.

**SCALE**



Picture 1: Drawing of scale: Normal version

**TECHNICAL DATA**

**ACCURACY:**

Accuracy class	1.5
	(standard)
Accuracy – on request	1.0 <sup>2)</sup>
	(optional)

**DESIGN:**

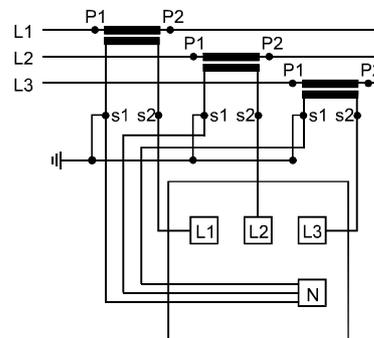
Material of housing:	PC
	uninflammable, according to <b>UL 94 V-0</b>
Enclosure protection:	Case IP 52, terminal contacts IP 00
	(IP 20 for connection terminals)
	according to <b>EN 60529</b>
Operating position	Vertical
Installation category (Vrms)	CAT II 600 V/ III 300 V
Voltage drop approx.:	for x/5 A 0.03 V
	for x/1 A 1.1 V

**AMBIENT CONDITIONS**

**JVF (DIN 40 040)**

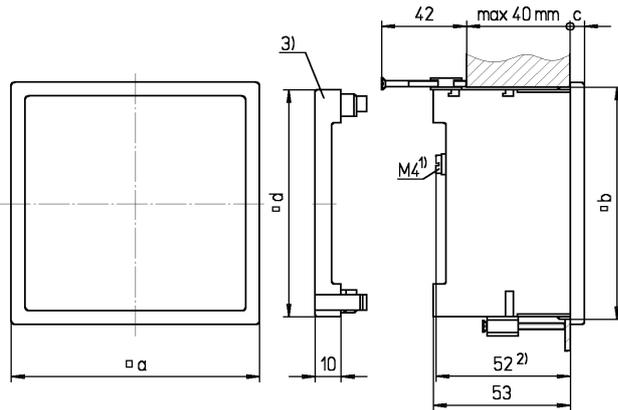
Climatic conditions:	Standards <b>EN 60051-1</b>
	<b>EN 60051-2</b>
	<b>EN 60051-9</b>
Temperature:	
Reference range of operation	+18 ... +28°C
Nominal range of operation	-25 ... +55°C
Storing	-40 ... +70°C
Humidity	up to 80% (without condensing)

**CONNECTION DIAGRAM:**



Picture 2: Connection diagram for CQ3207

## DIMENSIONAL DRAWING



Picture 3: Dimensional drawing CQ3207 (all dimensions are in mm)

3) Protective cover (on special request)

Type		CQ3207
Bezel (mm)	□ a	96
Panel cut-out (mm)	□ b	92 <sup>+0.8</sup>
Bezel height (mm)	c	5.5
Protect cover (mm)	□ d	90
Scales length (mm)		95
Weight approx. (kg)		0.32

Table 1: Dimensions and weight

## DATA FOR ORDERING

- Instrument type,
- Measuring range and scale,
- Transmission ratio of instrument transformer.

## ORDERING EXAMPLE FOR STANDARD VERSION:

- Ammeter CQ3207, 200/5A

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