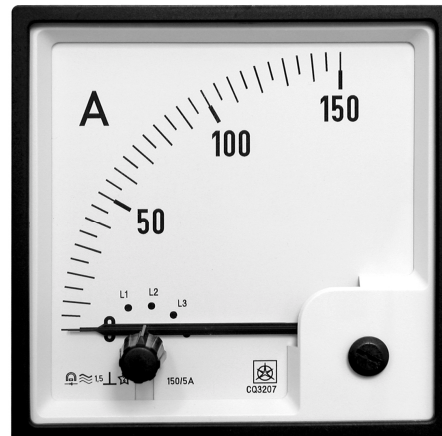


**CQ - MOVING-COIL PANEL AMMETER**

**FEATURES:**

- 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)



Picture 1: Ammeters for a.c. voltage CQ3207

**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 ... 5000 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.

**TECHNICAL DATA**

**ACCURACY:**

- accuracy class 1,5

**DESIGN:**

- Material of housing: PC  
 unflammmable, according to **UL 94 V-0**
- Enclosure protection: Case IP 52, terminal contacts IP 00  
 (IP 20 for connection terminals)  
 according to **EN 60529: 1989**
- Operating position Vertical
- Test voltage 2 kV rms  
 in accordance with **EN 61010-1: 1990**
- Voltage drop approx.: for x/5A 0,03 V  
 for x/1A 0,1 V

**AMBIENT CONDITIONS JVF (DIN 40 040)**

- Climatic conditions: Standards **EN 60051-1: 1995/01**  
**EN 60051-2: 1984**  
**EN 60051-9: 1988**
- 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)

## MEASURING RANGE:

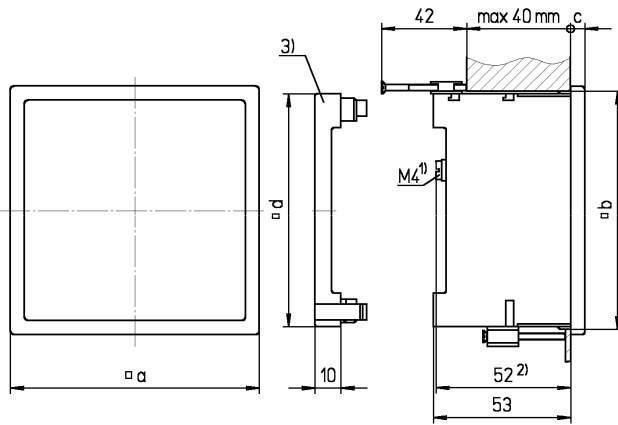
### Ammeters

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.

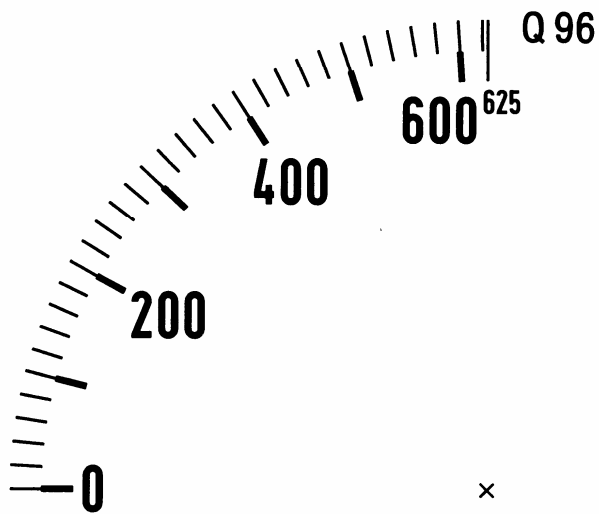
## DIMENSIONAL DRAWINGS:



Picture 2: Dimensional drawing CQ3207,  
(all dimensions are in mm)

3) Protective cover (on special request)

## SCALE

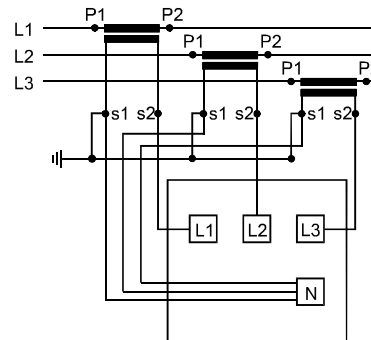


Picture 2: Drawing of scale: Normal version

Type		CQ3207
Bezel height (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

## CONNECTION DIAGRAM:



Picture 3: Connection diagram for CQ3207

## ORDERING DATA:

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

## ORDERING EXAMPLE:

- Ammeter CQ3207, 200/5A



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