

# Basic Series • Special Panel Meters

For Alternating Voltage 45 ... 50 ... 60 ... 65 Hz



EQB 96/U6

## Description

### Voltmeter with selector switch

6 Positions without zero position

L1-L3, L2-L3, L1-L2

L1-N, L2-N, L3-N

Analog panel meter with moving-iron movement and spring-loaded pivot bearing

## Display

Scale Division Coarse-fine

Pointer Knife-edge pointer per DIN

## Mechanical Design

Housing Material Polycarbonate, self-extinguishing and drip-proof per UL94V-0

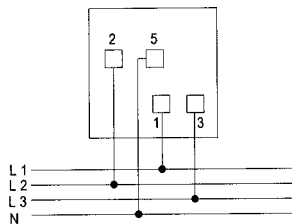
Mounting Fasteners Screw clamp

Replaceable Front frames and glass windows  
⇒ May only be replaced under voltage-free conditions!

Terminals M4 screw terminals with self-lifting terminal clips. Screws can be turned with a cross-head or standard screw drivers

Contact Protection Finger-safe terminal cover included

## Schematic Diagram



Moving-iron movement, 90° scale white, imprint black  
Narrow front frame per DIN 43 718, anti-glare glass

|                                |           |           |
|--------------------------------|-----------|-----------|
| Dimensions mm                  | 72 x 72   | 96 x 96   |
| Type                           | EQB 72/U6 | EQB 96/U6 |
| Scale Length mm                | 63        | 97        |
| Accuracy Class                 | 1.5       | 1.5       |
| Max. Weight                    | 0.22 kg   | 0.27 kg   |
| Max. Operating Voltage         | 300 V     | 300 V     |
| Test Voltage                   | 3.5 kV    | 3.5 kV    |
| Front Housing-Panel Protection | IP 52     | IP 52     |

## Power Consumption

| Connection | Measuring Input                     | Power Consumption |
|------------|-------------------------------------|-------------------|
| direct     | Voltage Phase-Phase 120 V ... 500 V | approx. 2.5 VA    |

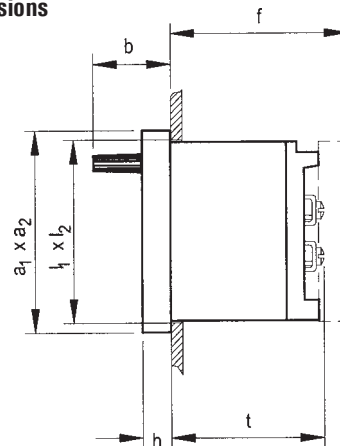
## Reference Conditions

| Reference Quantities | Reference Conditions        |
|----------------------|-----------------------------|
| Ambient Temperature  | 23°C ± 2°C                  |
| Position of Use      | control panel vertical ± 1° |
| Frequency            | 45 ... 65 Hz                |
| Other                | DIN EN 60051                |

## Nominal Range of Use Limits

|           |                                      |
|-----------|--------------------------------------|
| Frequency | for alternating current 45 ... 65 Hz |
|-----------|--------------------------------------|

## Basic Dimensions



| Front in mm | Nominal Dimensions              |     | Cutout Dimensions, mm<br>l <sub>1</sub> x l <sub>2</sub> | Installation Depth<br>Including Terminals (t), mm M4 | Installation Depth<br>Including Full Covers (f), mm | Selector<br>Switch (b) |
|-------------|---------------------------------|-----|--|--|---|------------------------|
|             | a <sub>1</sub> x a <sub>2</sub> | h   |  |  |   |                        |
| 72 x 72     | 72 x 72                         | 5.5 | 68 <sup>+0.7</sup> x 68 <sup>+0.7</sup>                  | 53   | 66  | 20                     |
| 96 x 96     | 96 x 96                         | 5.5 | 92 <sup>+0.8</sup> x 92 <sup>+0.8</sup>                  | 53   | 66  | 20                     |

| Range | Scale                | Type      | EQB 72/U6   | EQB 96/U6   |
|-------|----------------------|-----------|-------------|-------------|
|       |                      | Order No. | ↓           | ↓           |
| 120 V | 6 kV / 10 kV / 120 V |           | 72120 67212 | 96120 69612 |
| 500 V | 300 V / 500 V        |           | 72500 67250 | 96500 69650 |