

Basic Series • Square Panel Meter

For Frequency (Pointer-Type Frequency Meters)



FQB 96

Description

Analog panel meter with core-magnet moving-coil movement and built in frequency converter.

Anzeige

Scale Division Coarse-fine

Pointer Beam pointer with edge-knife

Mechanical Design

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

Mounting Fasteners Screw clamp

Scale Interchangeable scales
⇒ Scales may only be replaced under voltage-free conditions!

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

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

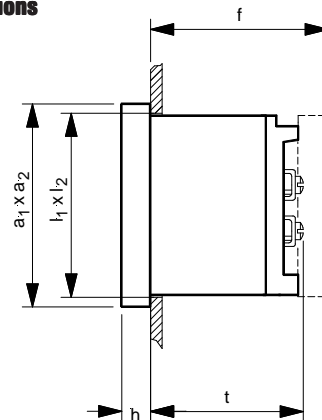
Front Dimensions mm	72 x 72	96 x 96
Type	FQB 72	FQB 96
Scale Length mm	63	97
Accuracy Class*	1	1
Max. Weight (standard model)	0.20 kg	0.28 kg
Power Consumption approx.	5 mA	5 mA
Max. Operating Voltage	600 V	600 V
Test Voltage	5.8 kV	5.8 kV
Front Housing-Panel Protection	IP 52	IP 52

*referred to upper measuring range

Reference Conditions

Reference Quantities	Reference Conditions
Ambient Temperature	23°C ± 2°C
Position of Use	control panel vertical ± 1°
Input Voltage	rated value of voltage
Waveshape	sine
Warm-Up Time	≥ 5 min.
Other	DIN EN 60051

Basic Dimensions



Front in mm	Nominal Dimensions		Cutout Dimensions, mm l ₁ x l ₂	Installation Depth Including Terminals (t), mm M4	Installation Depth Including Full Covers (f), mm
	a ₁ x a ₂	h			
72 x 72	72 x 72	5.5	68 ^{+0.7} x 68 ^{+0.7}	53	66
96 x 96	96 x 96	5.5	92 ^{+0.8} x 92 ^{+0.8}	53	66

Range	Scale	Type	FQB 72	FQB 96
		Order No.	↓	↓
47 ... 50 ... 53 Hz	47 ... 50 ... 53 Hz (230 V)		72475 05313 B	96475 05312 B
57 ... 60 ... 63 Hz	57 ... 60 ... 63 Hz (230 V)		72576 35763 B	96576 35763 B
45 ... 50 ... 55 Hz	45 ... 50 ... 55 Hz (230 V)		72455 05523 B	96455 54555 B
55 ... 60 ... 65 Hz	55 ... 60 ... 65 Hz (230 V)		72556 06523 B	96556 55565 B
45 ... 50 ... 55 Hz	45 ... 50 ... 55 Hz (415 V)		72455 05541 B	96455 05541 B
55 ... 60 ... 65 Hz	55 ... 60 ... 65 Hz (450 V)		72556 06545 B	96556 06545 B