

AKH-0.66/MP Measuring & Protection CT**400-5000A****5A / 1A****Class 0.2 / 0.5 + 10P**

AKH-0.66/MP

Measuring and Protection Current Transformer

Application

- AC current measurement and protection in low-voltage power distribution systems.
- Used with compatible energy meters, measuring instruments and protection devices.

Basic Parameters

- Models: MP-60×50, MP-80×50, MP-100×50 and MP-130×50.
- Primary current: 400–5000 A, depending on model and ratio.
- Secondary current: 5 A or 1 A.
- Measurement class: Class 0.5 or Class 0.2.
- Protection class: 10P5, 10P10, 10P15 or 10P20.
- Busbars: 1–3; rated working voltage: AC 0.66 kV.

Series Overview

The AKH-0.66/MP series integrates one measurement winding and one protection winding in a single current transformer. The horizontal rectangular aperture accommodates one to three busbars or multiple cables, supporting compact low-voltage switchgear and distribution-panel installations.

Technical Indicators



- Rated working voltage: AC 0.66 kV
- Power-frequency withstand voltage: 3000 V/1 min, 50 Hz



- Rated frequency: 50–60 Hz
- Primary current: 400–5000 A
- Secondary current: 5 A or 1 A
- Measurement class: 0.5 or 0.2
- Protection class: 10P5/10P10/10P15/10P20



- Ambient temperature: -30°C to +70°C
- Altitude: ≤3000 m
- Indoor installation without direct rain or snow, severe pollution or strong vibration

Product Feature



The AKH-0.66/MP series uses a flip-cover design with a transparent polycarbonate terminal cover for visible and convenient secondary wiring. Two windings are provided: one for measurement and one for protection. Its horizontal rectangular aperture can pass one to three busbars or multiple cables and is intended for electrical switchgear and low-voltage distribution protection systems.

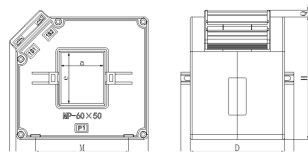
Official Product and Dimension Drawings

MP-60×50

Actual product



Official dimension drawing



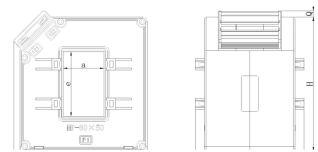
Overall W × H × D: 163 × 140 × 115 mm | Aperture: 62 × 52 mm | Busbar: 60 × 10 mm / 1-3

MP-80×50

Actual product



Official dimension drawing



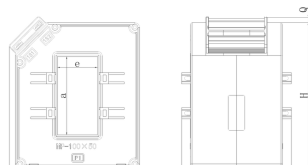
Overall W × H × D: 162 × 170 × 115 mm | Aperture: 82 × 52 mm | Busbar: 80 × 10 mm / 1-3

MP-100×50

Actual product



Official dimension drawing



Overall W × H × D: 162 × 190 × 120 mm | Aperture: 102 × 52 mm | Busbar: 100 × 10 mm / 1-3

MP-130×50

Actual product



Official dimension drawing



Overall W × H × D: 162 × 220 × 125 mm | Aperture: 132 × 52 mm | Busbar: 130 × 10 mm / 1-3

Installation reference: E-type busbar mounting. Select the transformer by aperture, busbar size, ratio, class and burden.

Safety: Never leave the secondary circuit open while primary current is present. Ground terminal S2 as required.

AKH-0.66/MP Model Selection

Model	Rated current ratio (A)	Measurement class / burden (VA)		Protection class / burden (VA)				Aperture (mm)	Busbar (mm) / qty.
		Class 0.5	Class 0.2	10P5	10P10	10P15	10P20		
MP-60×50	400/5(1)	5	—	10	2.5	—	—	62×52	60×10 / 1-3
	(500-800)/5(1)	10	—	10	5	2.5	—		
	(1000-1250)/5(1)	—	10	15	10	5	1.5		
	(1500-2000)/5(1)	—	20	15	10	5	2.5		
MP-80×50	800/5(1)	10	—	15	10	5	—	82×52	80×10 / 1-3
	(1000-1250)/5(1)	—	10	15	10	5	1.5		
	(1500-2000)/5(1)	—	20	15	10	5	2.5		
	(2500-3000)/5(1)	—	30	20	15	5	5		
MP-100×50	(1500-2000)/5(1)	—	20	20	15	5	1.5	102×52	100×10 / 1-3
	(2500-4000)/5(1)	—	30	20	15	10	2.5		
MP-130×50	2000/5(1)	—	20	20	15	10	2.5	132×52	130×10 / 1-3
	(2500-5000)/5(1)	—	30	30	15	10	5		