

H007 AKH-0.66/Z Series Integrated Current Transformers V1.0

1. Product Features

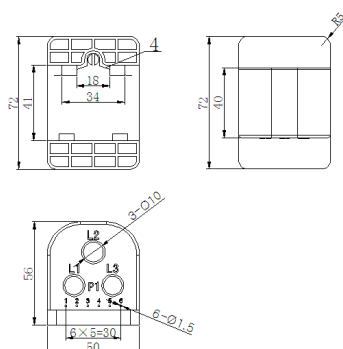
The AKH-0.66/Z series has a compact three-phase integrated structure and convenient wiring. The housing uses high-temperature-resistant material. As a current-signal acquisition component, the series can generally be used with AMC16, PZ300 and moulded-case circuit breakers. It reduces current-transformer installation space and complicated wiring, helping reduce user cost.

2. Model Designation

AKH - 0.66 - Z - □ □ □	Installation method Rated current ratio Auxiliary specification Integrated type Rated voltage (kV) Product series
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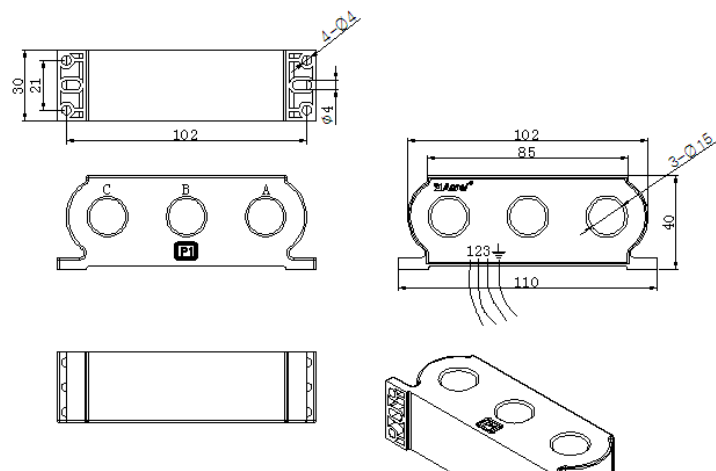
3. Product Types

3.1 AKH-0.66/Z-10 Current Transformer



Specification	Rated current ratio	Accuracy	Rated load	Turns	Max. cable diameter	Installation
Z-10	50A/25mA	Class 0.2	10Ω	1	Φ10mm	DIN rail

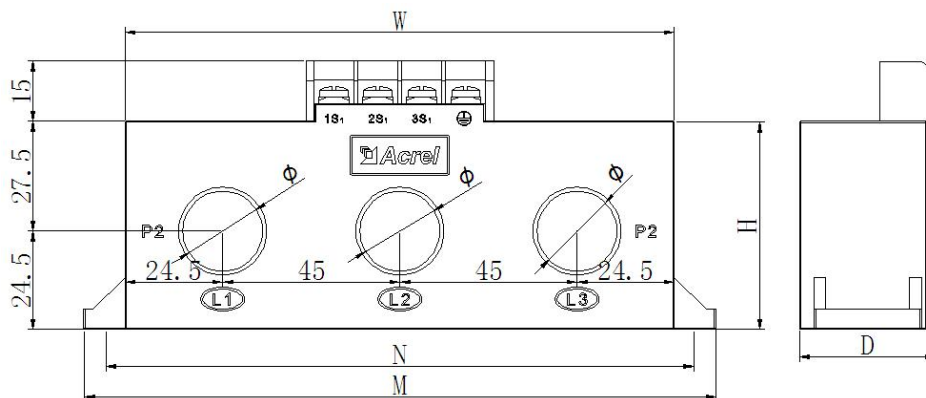
3.2 AKH-0.66/Z-15 Current Transformer



Wiring note: Primary current enters from P1 and exits from P2. Yellow = phase A S1; green = phase B S1; red = phase C S1; black = common ground. Lead length: 2m $\pm$ 10cm.

Specification	Rated current ratio	Class 0.2 rated load (Ω)	Class 0.5	Class 1	Turns	Max. cable diameter
Z-15	(20-100)A/20mA	10			1	Φ 15mm
	100A/50mA	10			1	Φ 15mm

3.3 AKH-0.66/Z-3 $\times$ Φ 20 Current Transformer

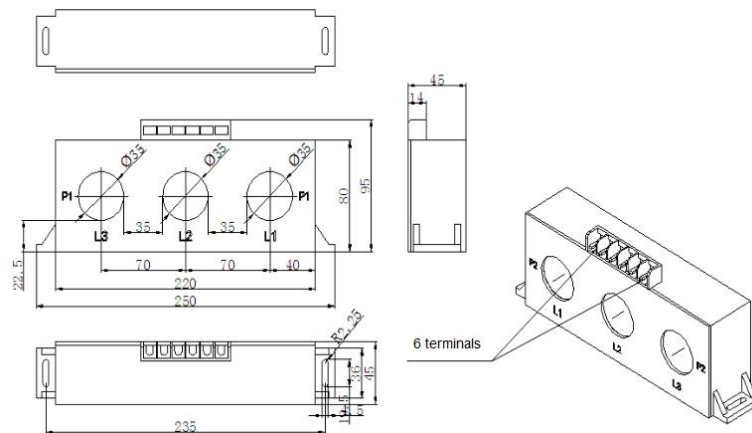


3.3 AKH-0.66/Z-3×Φ20 Current Transformer

Rated current ratio	Accuracy	Rated load	Max. cable diameter
(5-100)/5(1)A	Class 1	1.5VA	Φ20mm
150/5(1)A	Class 0.5	1.5VA	Φ20mm
200/5(1)A	Class 0.5	2.5VA	Φ20mm
(20-200)/20mA	Class 0.5	10Ω	Φ20mm
(50-200)/50mA	Class 0.5	10Ω	Φ20mm

Dimensions: W138 × H52 × D34mm; mounting dimensions M159/N148mm; tolerance ±1mm.

3.4 AKH-0.66/Z-3×Φ35 Current Transformer



Dimensions: Tolerance ±2mm. Installation: Base-plate screw mounting.

Specification	Rated current ratio	Class 0.2 rated load (VA)	Class 0.5	Class 1	Turns	Max. cable diameter	Installation
Z-3×Φ35	(100-150)A/5(1)A			2.5	1	Φ35mm	Base-plate screw mounting
	200A/5(1)A		1.5		1		
	250A/5(1)A		3.75		1		
	(300-450)A/5(1)A		5		1		
	(500-800)A/5(1)A		10		1		
	(1000-1250)A/5(1)A	10			1		

4. Operating Conditions

- Rated working voltage: AC 0.66kV (equivalent to AC 0.69kV according to GB/T 156-2017)
- Rated frequency: 50-60Hz
- Ambient temperature: -30°C to +70°C
- Altitude: ≤3000m
- Power-frequency withstand voltage: 3000V/1min, 50Hz
- Installation environment: Locations without direct rain or snow, severe pollution or strong vibration.

5. Finished-Product Inspection Items

No.	Item	Test conditions	Standard instruments	Verification cycle	Verification basis
1	Appearance and terminal markings	Temperature: 20-25°C Humidity: 50-65%	HLS-50G2 standard current transformer HES-1 digital transformer calibration instrument FY47/FY49 CT load boxes LK2673 withstand-voltage tester ZC25-4 insulation resistance tester HKY-9908 CT open-circuit tester	2 years	GB 20840.2-2014 Current Transformers JJG313-2010 Verification Regulation
2	Power-frequency withstand voltage				
3	Insulation resistance				
4	Error test				
5	Open-circuit test				

Note: When the current transformer is in use, the secondary circuit must not be open-circuited, and the S2 secondary lead must be grounded.