

AKH-0.66/P-I Low-Voltage Motor Protection Current Transformer



Application

- AC current measurement for low-voltage motor protection
- Designed for use with ARD2, ARD3 and other compatible motor protection units
- Suitable for applications requiring 0.05 A or 0.1 A secondary output

Basic Parameters

Models	P-40I / P-60I / P-80I
Primary current	250-1000 A
Secondary output	0.05 A or 0.1 A
Accuracy class	Class 0.5
Rated load	5 VA
Installation	Type A or C
Rated operating voltage	AC 0.66 kV
Rated frequency	50-60 Hz

Product Feature

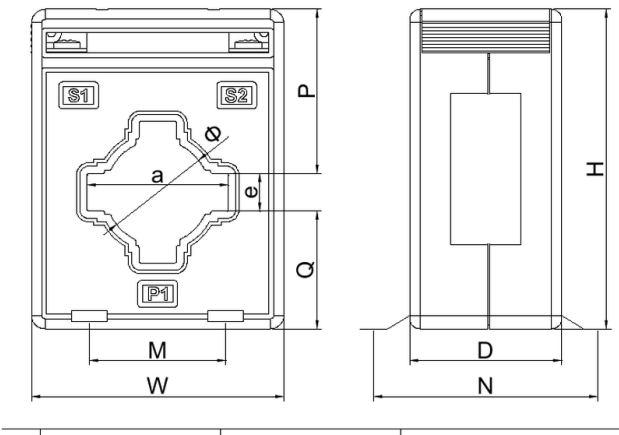
The AKH-0.66/P-I series provides accurate current measurement and strong overload capability for low-voltage motor protection applications. It is designed for use with Acrel ARD2, ARD3 and other compatible motor protection units. Three models are available: P-40I, P-60I and P-80I, covering rated primary current from 250 A to 1000 A with 0.05 A or 0.1 A secondary output, Class 0.5 accuracy and 5 VA rated load. Select the exact model and current ratio from the official parameter table.

Technical Indicators

- Rated operating voltage: AC 0.66 kV (equivalent to AC 0.69 kV according to GB/T 156-2017)
- Rated frequency: 50-60 Hz
- Ambient temperature: -30 °C to +70 °C
- Altitude: ≤ 3000 m
- Power-frequency withstand voltage: 3000 V / 1 min, 50 Hz
- Use where there is no direct rain or snow, severe pollution or violent vibration
- Never leave the secondary circuit open during use; S2 must be grounded

Dimensions

Dimensions



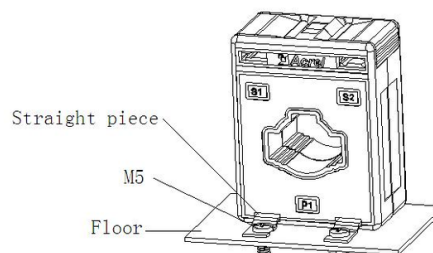
Model	W	H	D	a	e	Phi	M	N	P	Q	Tol.
P-40I	75	95	45	42	11	31	40	57.5	49	35	+/-1
P-60I	102	130	45	61.5	21	45	42	57.5	61	47.5	+/-1
P-80I	118	140	45	82	11	52	60	57.5	71	58	+/-1

All dimensions are in millimetres. Values are from the current H006.01 specification.

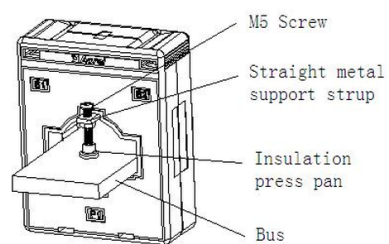
Installation Instruction

Installation Instruction

Type A - fixed with straight metal pieces



Type C - fixed with a single insulation press plate



Model Parameters

AKH-0.66/P-I Series - Model Parameters

Model	Rated current ratio (A)	Accuracy class	Rated load (VA)	Installation
P-40I	250/0.05	0.5	5	A / C
P-40I	250/0.1	0.5	5	A / C
P-40I	300/0.1	0.5	5	A / C
P-60I	500/0.1	0.5	5	A / C
P-60I	800/0.1	0.5	5	A / C
P-80I	800/0.1	0.5	5	A / C
P-80I	1000/0.1	0.5	5	A / C

Source: current H006.01 specification, V1.0. Values are translated without recalculation.

Selection and Safety Notes

- Select the exact current ratio from the parameter table; do not use only the overall 250-1000 A summary range.
- P-60I and P-80I both list an 800/0.1 A option; they remain separate models with different dimensions.
- Do not leave the CT secondary open while primary current is present. Ground S2 as specified.

Prepared from the current H006.01 official specification. No third-party sales contact information is included.