



AKH-0.66/S Dual-Winding Measuring Current Transformer Series

Verified English product data for the Malaysian market



Application

- AC current measurement and indication.
- Remote measurement with ARTU-M32.
- Can be used with ARD3 motor protectors.

Basic Parameters

- Models: S-30I through S-200II
- Primary current: 5-6300 A
- Outputs: 5 A or 1 A, plus 20 mA
- Rated voltage: AC 0.66 kV

Technical Indicators

Electrical Ratings

- Rated operating voltage:
AC 0.66 kV
- Power-frequency withstand:
3000 V/1 min, 50 Hz
- Rated frequency: 50-60 Hz

Winding Data

- Primary current: 5-6300 A
- Winding 1 output: 5 A or 1 A
- Winding 2 output: 20 mA
- Accuracy / burden:
ratio-dependent
- Linearity: up to 8 x rated

Environment

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

Installation Instruction

Installation Instruction

Actual product

B - Bent-plate mounting



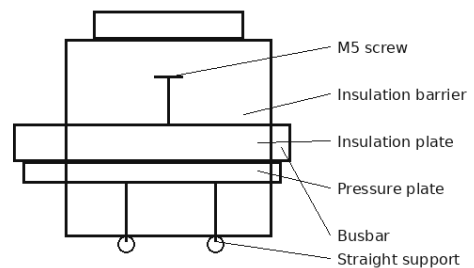
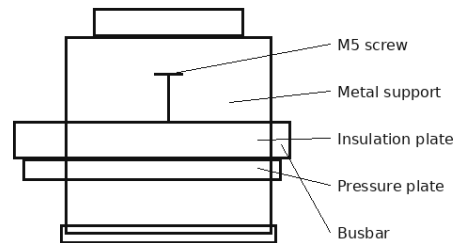
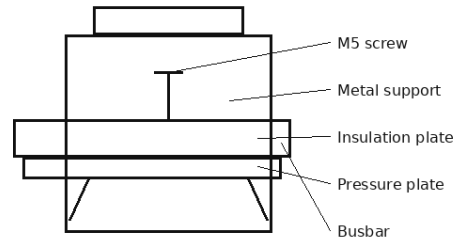
C - Single pressure-plate mounting



D - Double pressure-plate mounting

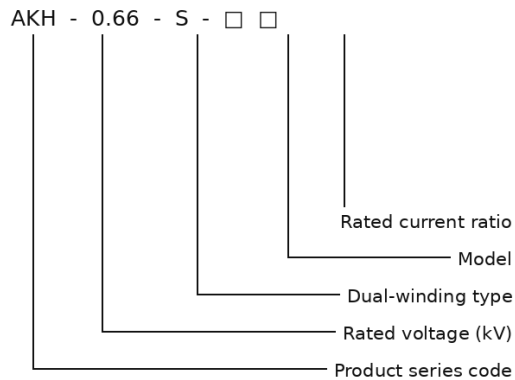


Official line drawing



Product Feature

Product Feature



The AKH-0.66/S series has two secondary windings. The first winding (1S1, 1S2) provides a 5 A or 1 A AC output for current indication. The second winding (2S1, 2S2) provides a 20 mA AC output for remote measurement and can be used with an ARTU-M32 remote I/O unit or an ARD3 motor protector. The series remains linear up to eight times rated current and maintains an error of 0.2-0.5% at eight times rated current, making it suitable for motor protection circuits. Its flip-cover housing uses flame-retardant, high-temperature-resistant material, while the core is wound from cold-rolled silicon-steel strip. The design is compact, lightweight and convenient to install.

Model Selection

S Series Model Selection — Part 1

Model	Ratio (A)	Accuracy / rated burden (VA/Q)			Turns	Busbar mm/qty	Max cable OD	Install	
		0.2 / 0.2	0.5 / 0.2	1 / 0.2					
S-30I	5/5(1)/0.02	—	—	2.5/0.02	15	—	Φ22	F	
	10/5(1)/0.02	—	—	2.5/0.02	8	—			
	15/5(1)/0.02	—	—	2.5/0.02	5	—			
	20/5(1)/0.02	—	—	2.5/0.02	4	—			
	25-30/5(1)/0.02	—	—	2.5/0.02	3	—			
	40-60/5(1)/0.02	—	—	2.5/0.02	2	—			
	75-100/5(1)/0.02	—	—	1.5/0.02	1	—			
	150/5(1)/0.02	—	2.5/0.02	—	1	30×10 / 1		B, F	
	200/5(1)/0.02	—	5.0/0.02	—	1				
	200/5(1)/0.02	—	5.0/0.02	—	1	40×10 / 1	Φ30	C, F	
	250-400/5(1)/0.02	—	5.0/0.02	—	1				
	500-600/5(1)/0.02	—	10/0.02	—	1				
	600-800/5(1)/0.02	—	10/0.02	—	1	50×10 / 1-2	—	C	
S-50II	1000/5(1)/0.02	15/0.02	—	—	1				
	1200-1250/5(1)/0.02	20/0.02	—	—	1				
	300-400/5(1)/0.02	—	5.0/0.02	—	1	60×10 / 1-2	—	C	
S-60II	500-800/5(1)/0.02	—	10/0.02	—	1				
	1000-1250/5(1)/0.02	10/0.02	—	—	1				
	1500-2000/5(1)/0.02	20/0.02	—	—	1				



Model Selection (continued)

S Series Model Selection — Part 2

Model	Ratio (A)	Accuracy / rated burden (VA/Ω)			Turns	Busbar mm/qty	Max cable OD	Install	
		0.2 / 0.2	0.5 / 0.2	1 / 0.2					
S-80II	600-800/5(1)/0.02	—	10/0.02	—	1	80×10 / 1-2	—	C	
	1000-1250/5(1)/0.02	10/0.02	—	—	1				
	1500-2000/5(1)/0.02	20/0.02	—	—	1				
	2500-3000/5(1)/0.02	30/0.02	—	—	1				
S-100II	1000-1250/5(1)/0.02	10/0.02	—	—	1	100×10 / 1-3	—	D	
	1500-2000/5(1)/0.02	20/0.02	—	—	1				
	2500-3000/5(1)/0.02	30/0.02	—	—	1				
	4000/5(1)/0.02	30/0.02	—	—	1				
S-120II	2000-2500/5(1)/0.02	20/0.02	—	—	1	120×10 / 1-3	—	D	
	3000/5(1)/0.02	30/0.02	—	—	1				
	4000-5000/5(1)/0.02	30/0.02	—	—	1				
S-200II	2000/5(1)/0.02	20/0.02	—	—	1	100×10 / 2-6	—	C	
	2500-3000/5(1)/0.02	30/0.02	—	—	1				
	4000-6300/5(1)/0.02	30/0.02	—	—	1				

Safety Notice

Never leave the secondary circuit open while the current transformer is in operation. Secondary terminal S2 must be earthed.