

AKH-0.66/W Series

Small-Current Output Measuring Current Transformer



Application

- Multi-circuit AC current measurement in low-voltage power systems
- Designed for use with AMC16 multi-circuit power meters
- Cable-through, busbar-through and DIN-rail mounting models available

Basic Parameters

- Models: W-7 / W-8 / W-11 / W-12 / W-20 / W-30 / W-45 / W-9N / W-12N / W-20N / W-30N / W-9A / W-9B / W-15A / W-15B
- Available primary-current ratings: 5-600 A, depending on model and current ratio
- Secondary output: 2.5-100 mA, depending on model and current ratio
- Accuracy: Class 0.2 or Class 0.5, depending on model and current ratio
- Rated operating voltage: AC 0.66 kV
- Rated frequency: 50-60 Hz

Product Feature

The AKH-0.66/W series provides small-current secondary output signals for multi-circuit AC current measurement. Designed for use with Acrel AMC16 multi-circuit power meters, the series features compact dimensions, high accuracy, strong load capacity and convenient installation, helping reduce the cost of multi-circuit monitoring. Cable-through, busbar-through and DIN-rail mounting versions are available. Select the exact current ratio, accuracy class, rated load and aperture from the official model table.

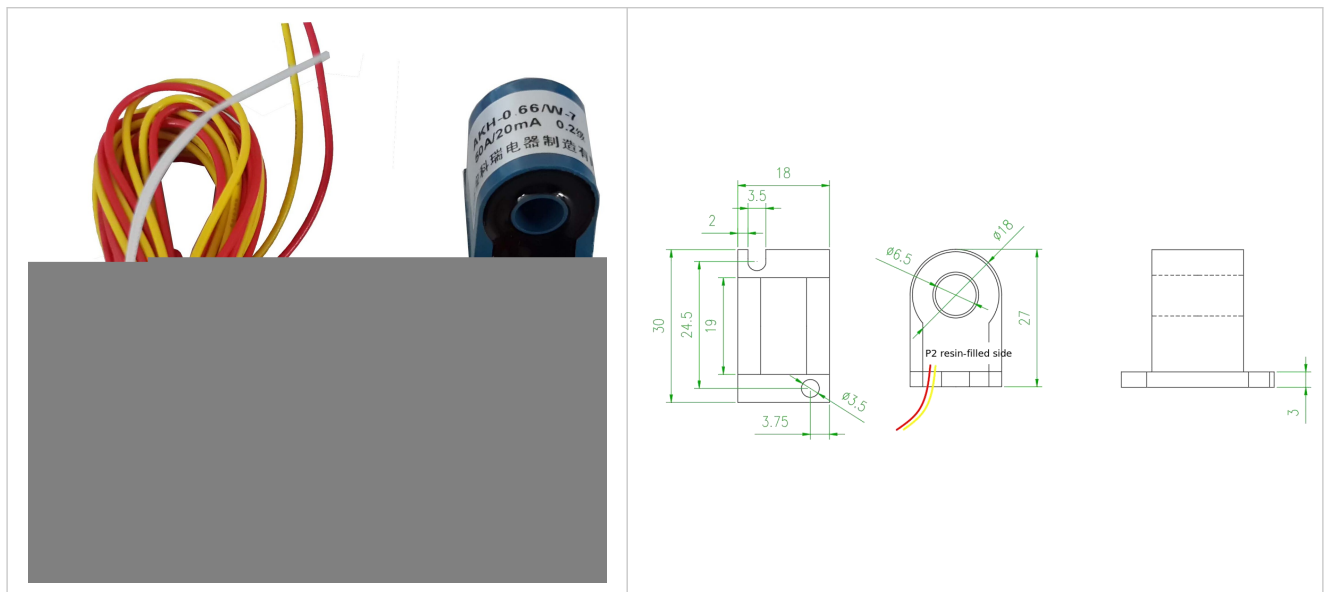
Technical Indicators

- 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 degC to +70 degC
- Altitude: ≤ 3000 m
- Power-frequency withstand voltage: 3000 V / 1 min, 50 Hz
- Installation environment: no direct rain or snow, severe pollution, or violent vibration
- Safety note: the CT secondary circuit must not be open when the primary circuit is energised

Source note

All model tables on the following pages are translated from H008 AKH-0.66 W Series Specification V1.0. The listed current ratios, accuracy classes, rated loads, turns and apertures are unchanged.

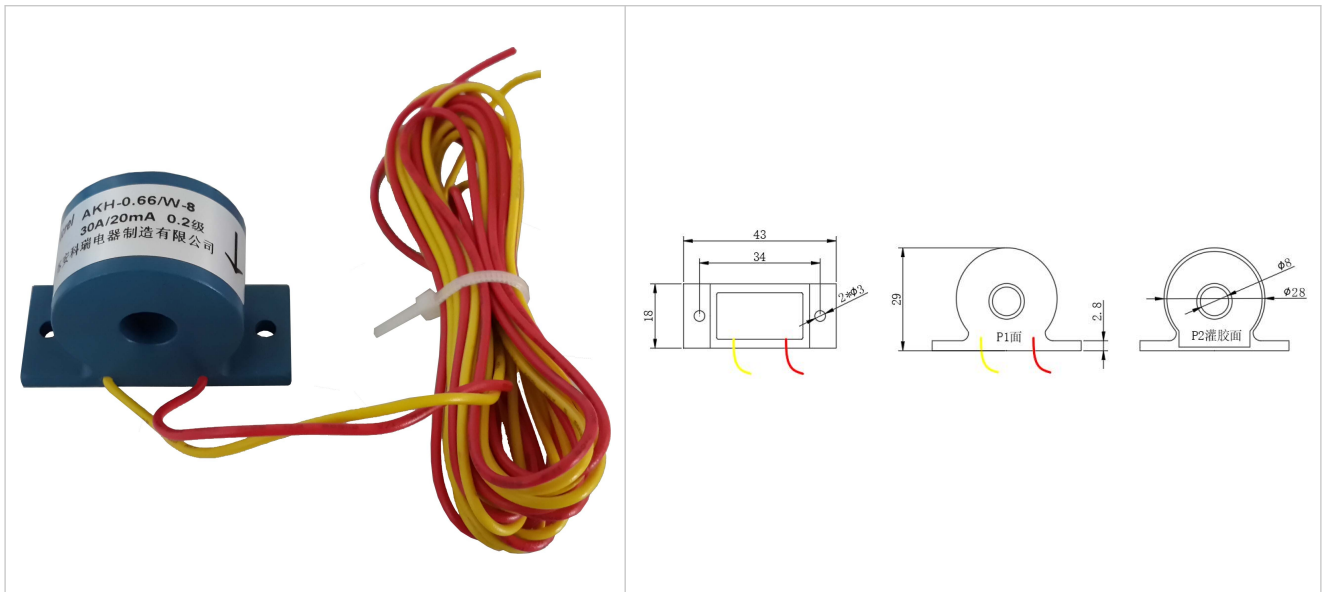
AKH-0.66 W-7



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
5A/2.5mA	10	-	-	1	Phi 6.5 mm
(5-15)A/5mA	10	-	-	1	
(10-30)A/10mA	10	-	-	1	
10A/20mA	-	10	-	1	
(20-60)A/20mA	10	-	-	1	
(50-60)A/50mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; yellow lead: S2. 24 AWG leads, standard length 2 m +/- 10 cm.

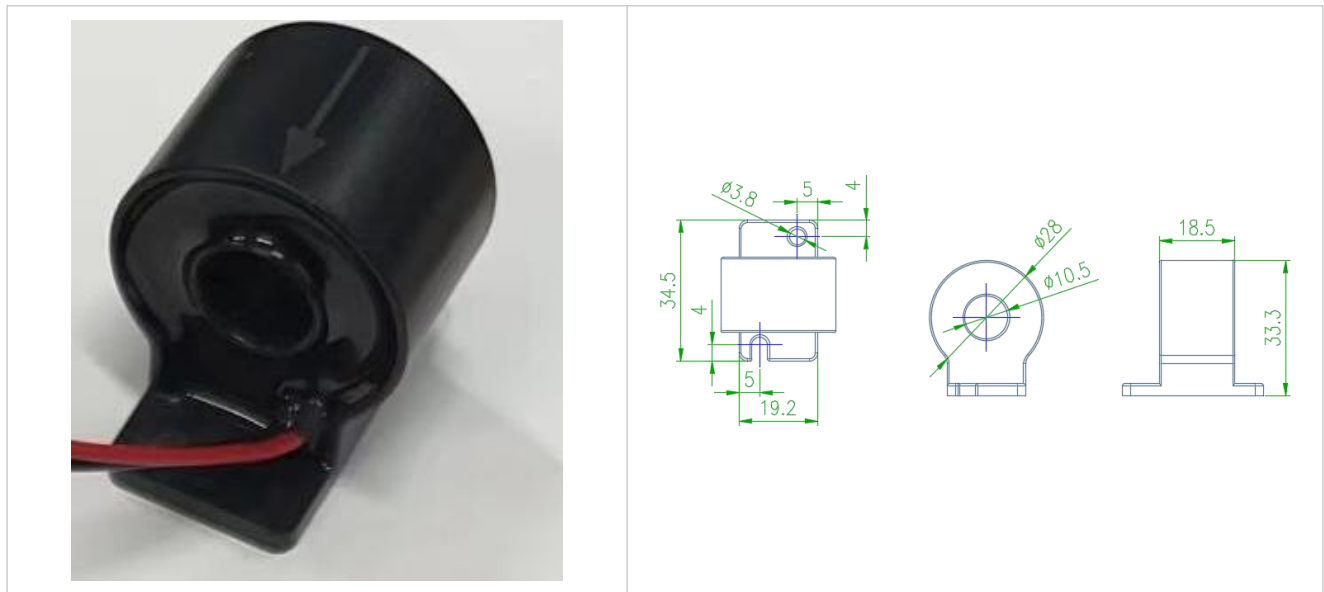
AKH-0.66 W-8



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(5-15)A/5mA	10	-	-	1	Phi 8 mm
(10-30)A/10mA	10	-	-	1	
5A/20mA	-	10	-	2	
(10-15)A/20mA	-	10	-	1	
(20-60)A/20mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; yellow lead: S2. Standard lead length 2 m +/- 10 cm.

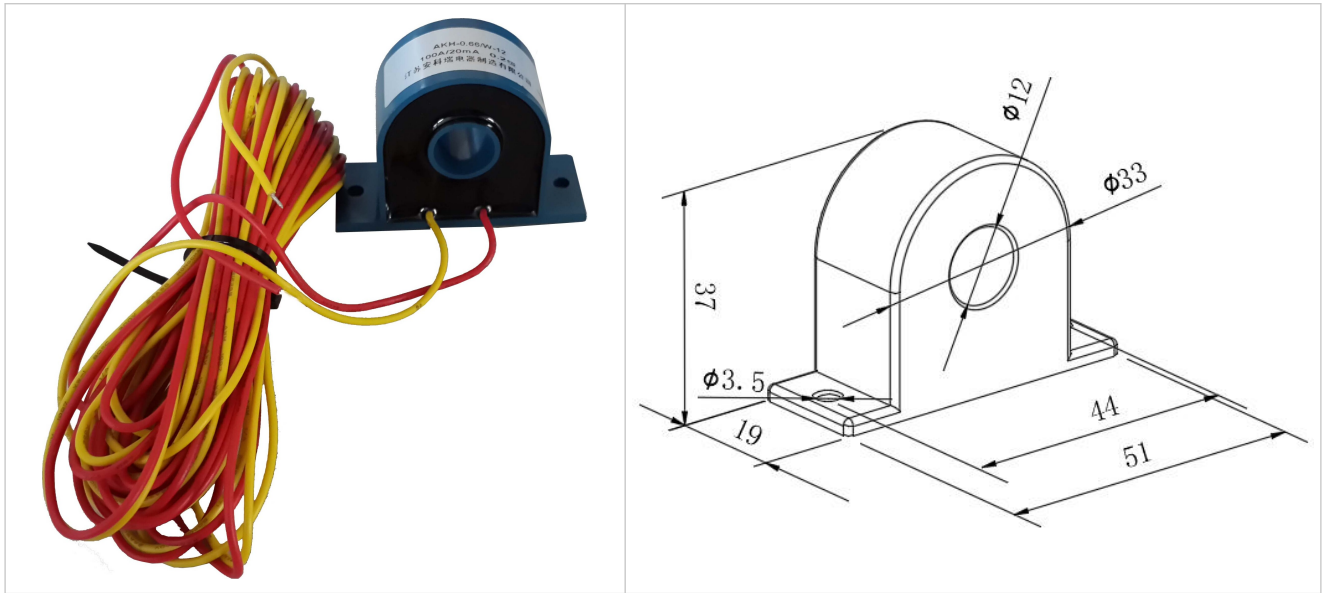
AKH-0.66 W-11



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
60A/50mA	10	-	-	1	Phi 10.5 mm
60A/20mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. 24 AWG leads, standard length 2 m +/- 10 cm.

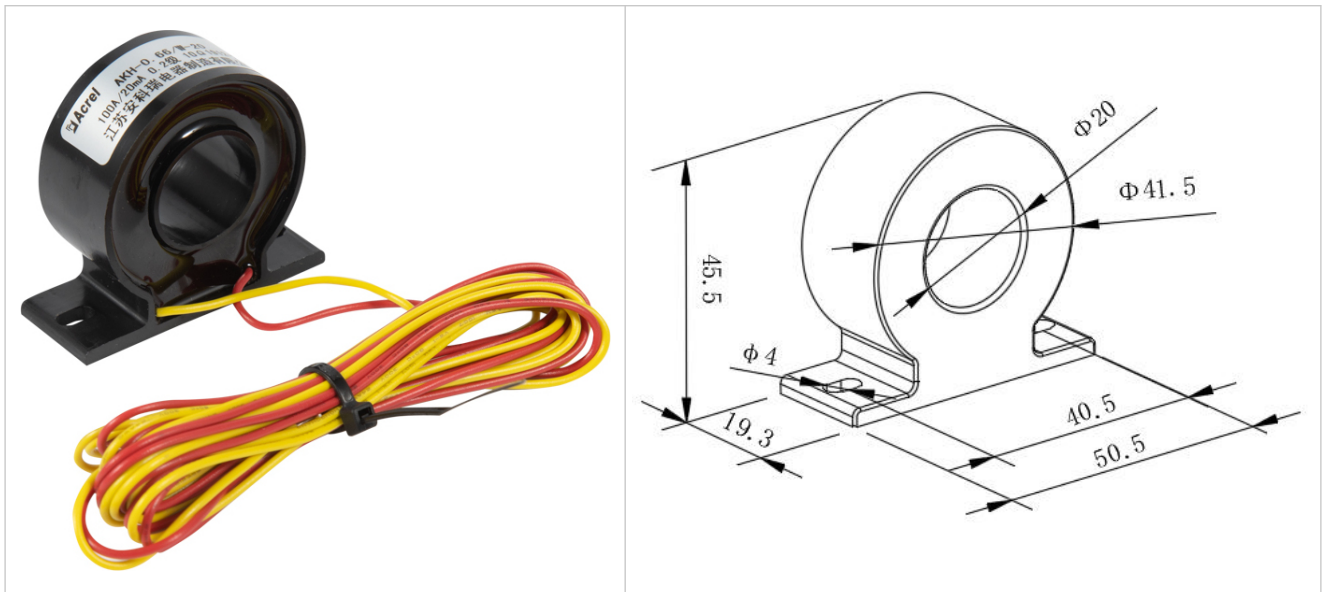
AKH-0.66 W-12



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
5A/20mA	10	-	-	4	Phi 12 mm
(20-100)A/20mA	10	-	-	1	
(40-100)A/40mA	10	-	-	1	
(50-100)A/50mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; yellow lead: S2. Standard lead length 2 m +/- 10 cm.

AKH-0.66 W-20

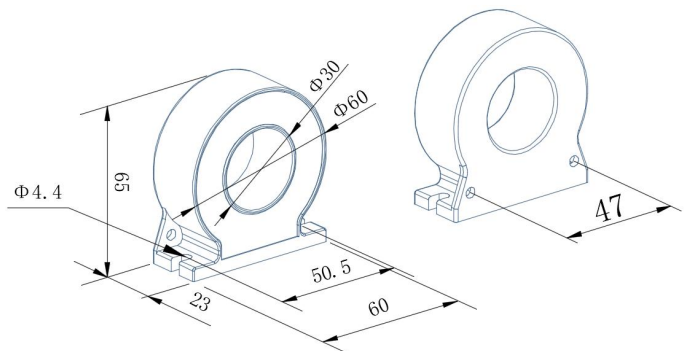


Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(20-200)A/20mA	10	-	-	1	Phi 20 mm
(40-200)A/40mA	10	-	-	1	
(50-200)A/50mA	10	-	-	1	
(100-200)A/100mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; yellow lead: S2. Standard lead length 2 m +/- 10 cm.

AKH-0.66 W-30

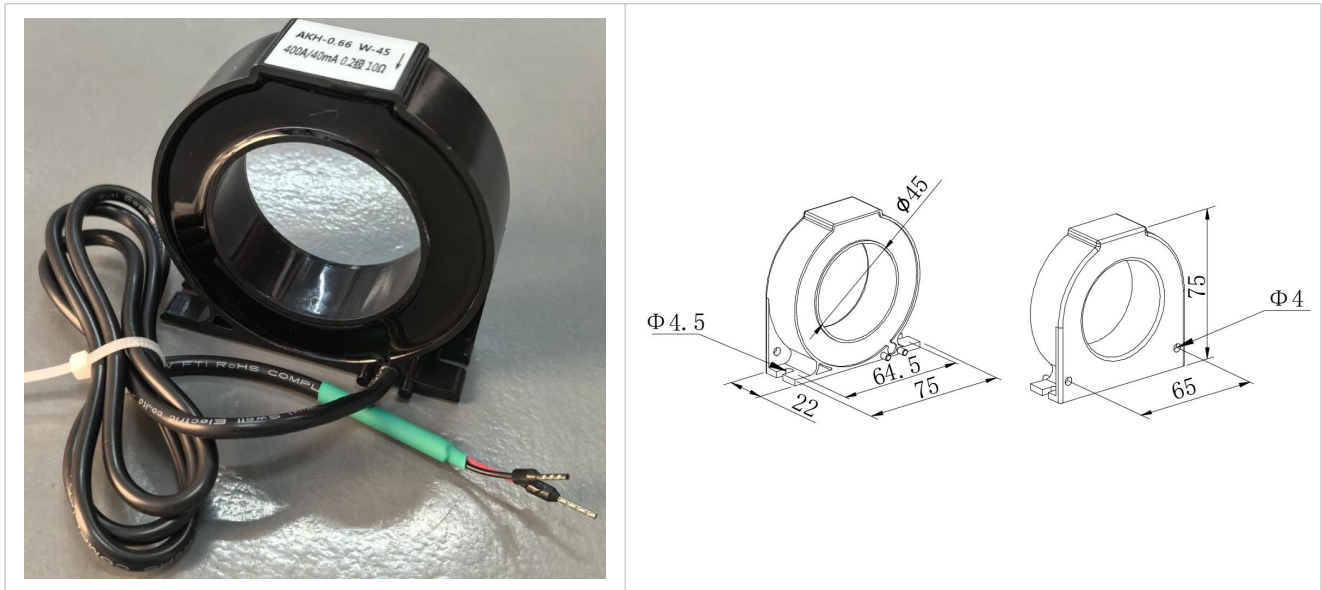
No confirmed standalone official W-30 product photo was found. The official dimension drawing is supplied without substitution.



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(200-400)A/50mA	10	-	-	1	Phi 30 mm
(200-400)A/100mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm.

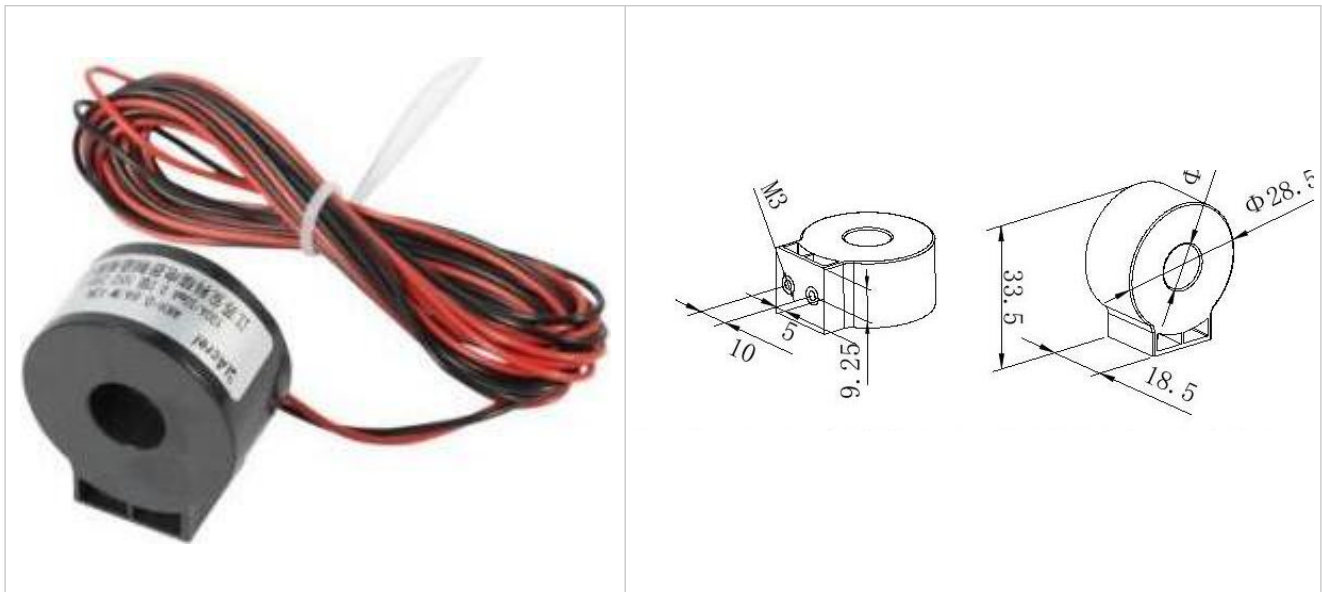
AKH-0.66 W-45



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(100-400)A/40mA	10	-	-	1	Phi 45 mm
(200-600)A/50mA	10	-	-	1	
(200-600)A/100mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm.

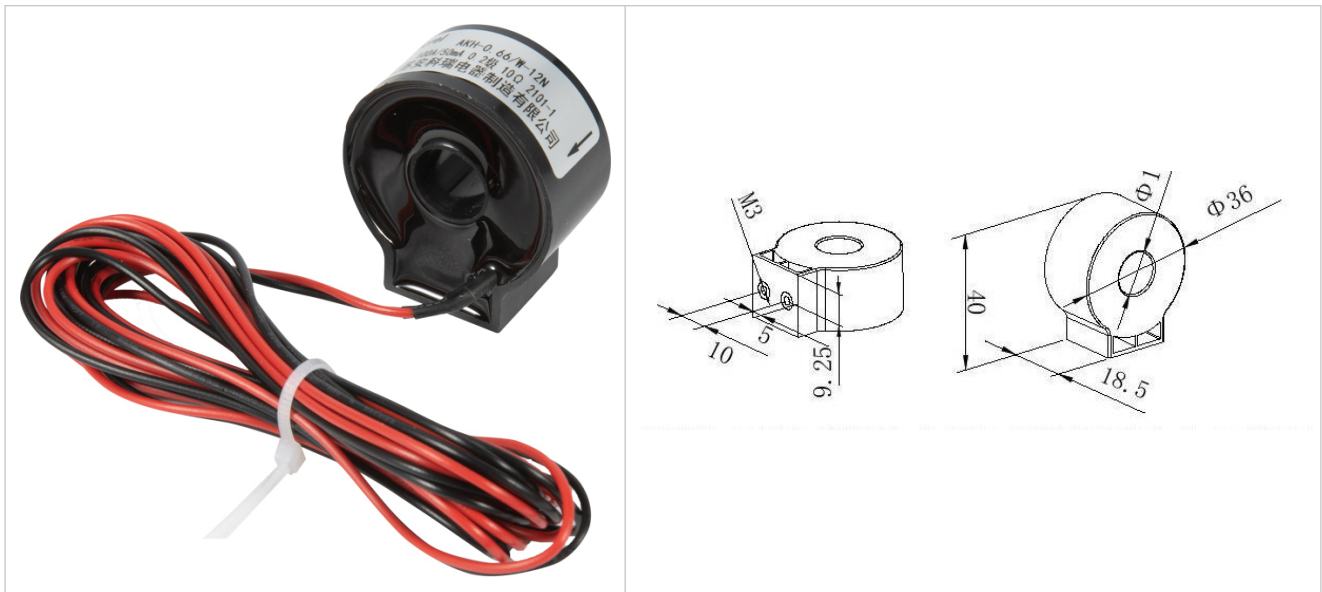
AKH-0.66 W-9N



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
50A/20mA	10	-	-	1	Phi 9 mm
50A/50mA	10	-	-	1	

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm. Recommended screwdriver torque: 0.5-0.7 N.m.

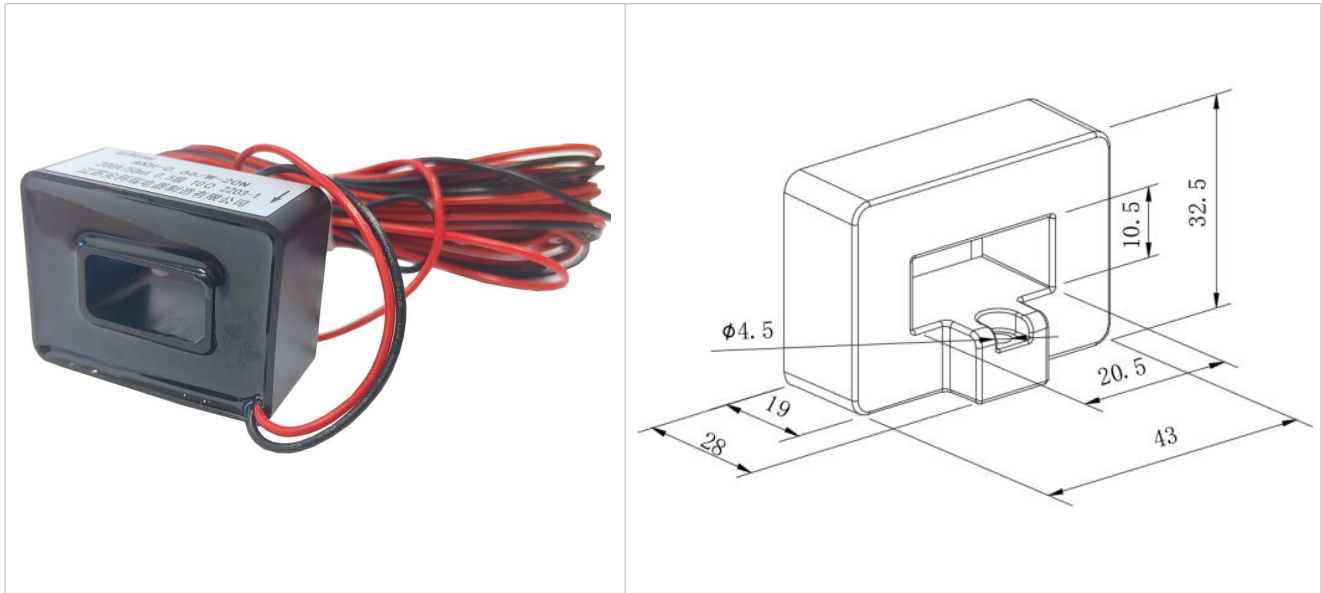
AKH-0.66 W-12N



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(50-100)A/50mA	10	-	-	1	Phi 12 mm

Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm. Recommended screwdriver torque: 0.5-0.7 N.m.

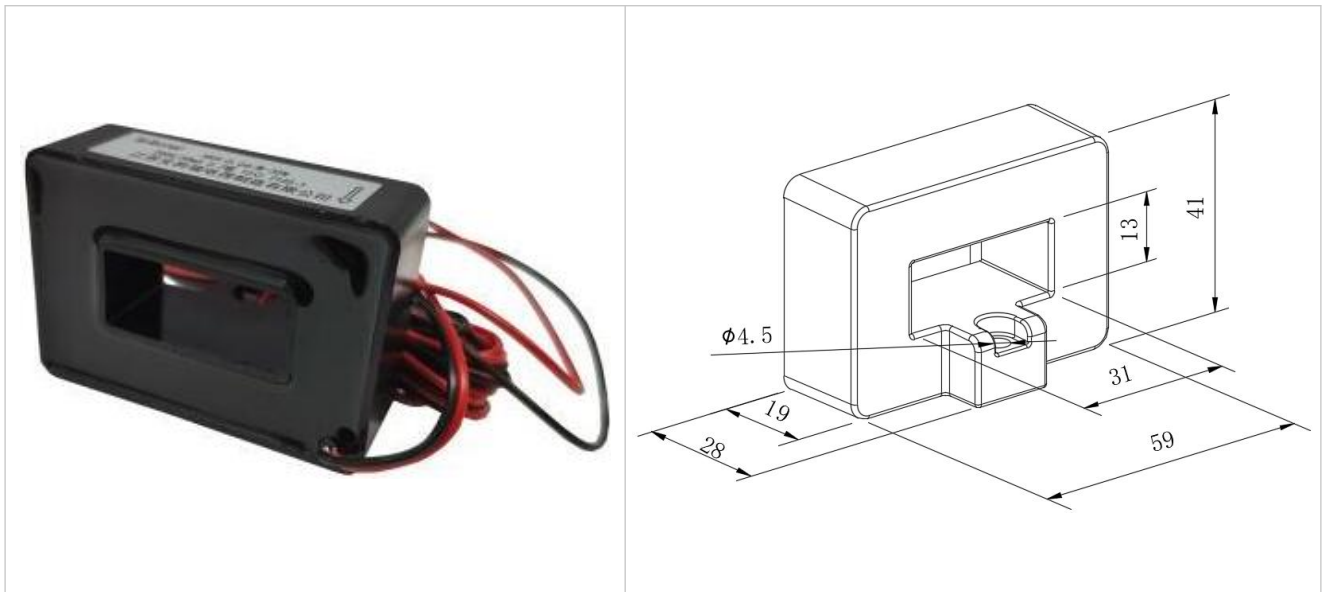
AKH-0.66 W-20N



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(20-100)A/20mA	10	-	-	1	20 x 10 mm / 1 busbar
(50-200)A/50mA	10	-	-	1	

Rectangular busbar-through model. Primary current flows from P1 to P2 (resin-filled side). Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm.

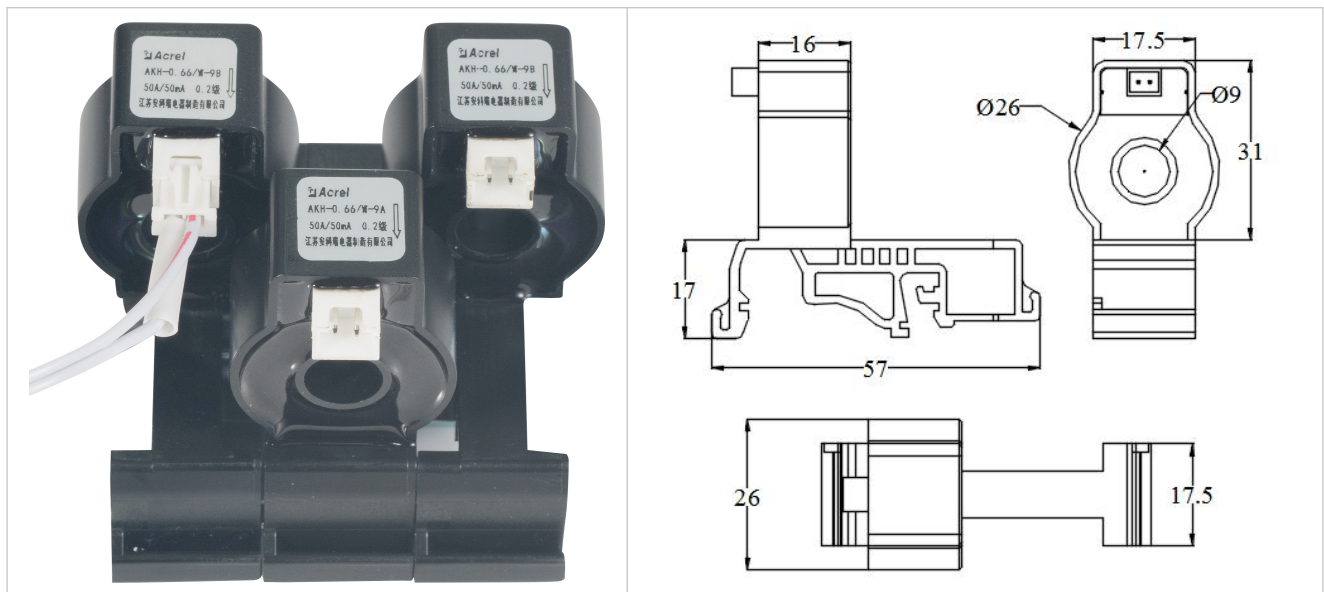
AKH-0.66 W-30N



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
(100-200)A/20mA	10	-	-	1	30 x 10 mm / 1 busbar
(200-400)A/50mA	10	-	-	1	
(200-300)A/100mA	10	-	-	1	

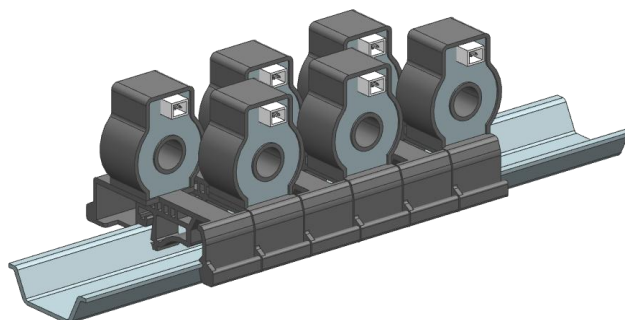
Rectangular busbar-through model for main-busbar current measurement in data centres and distribution/column cabinets. Red lead: S1; black lead: S2. Standard lead length 2 m +/- 10 cm.

AKH-0.66 W-9A

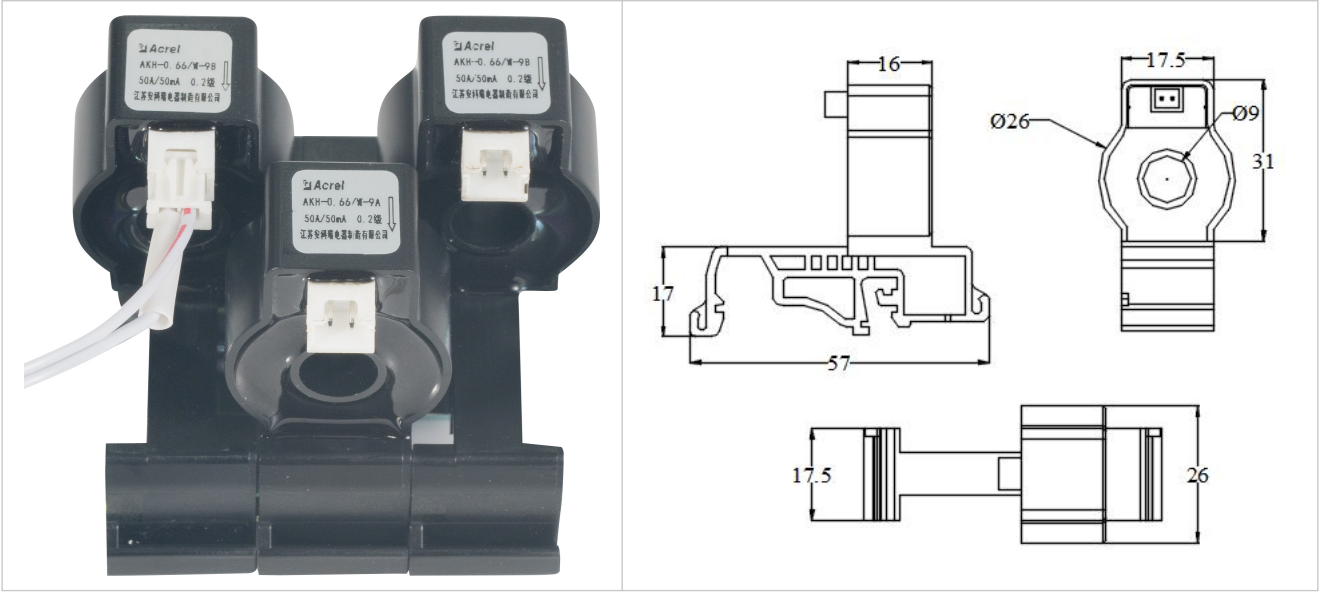


Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
50A/50mA	10	-	-	1	Phi 9 mm

DIN-rail-mounted small-current-output model for use with AMC16 multi-circuit power meters. Resin-filled side: P2.

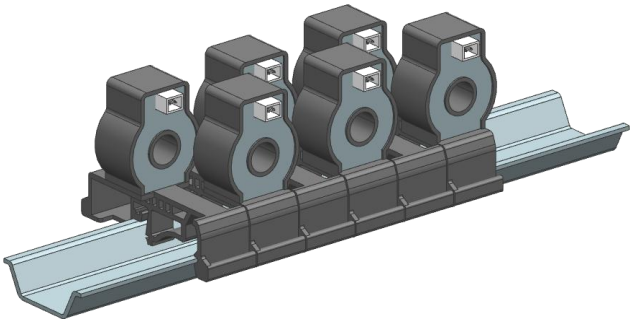


AKH-0.66 W-9B

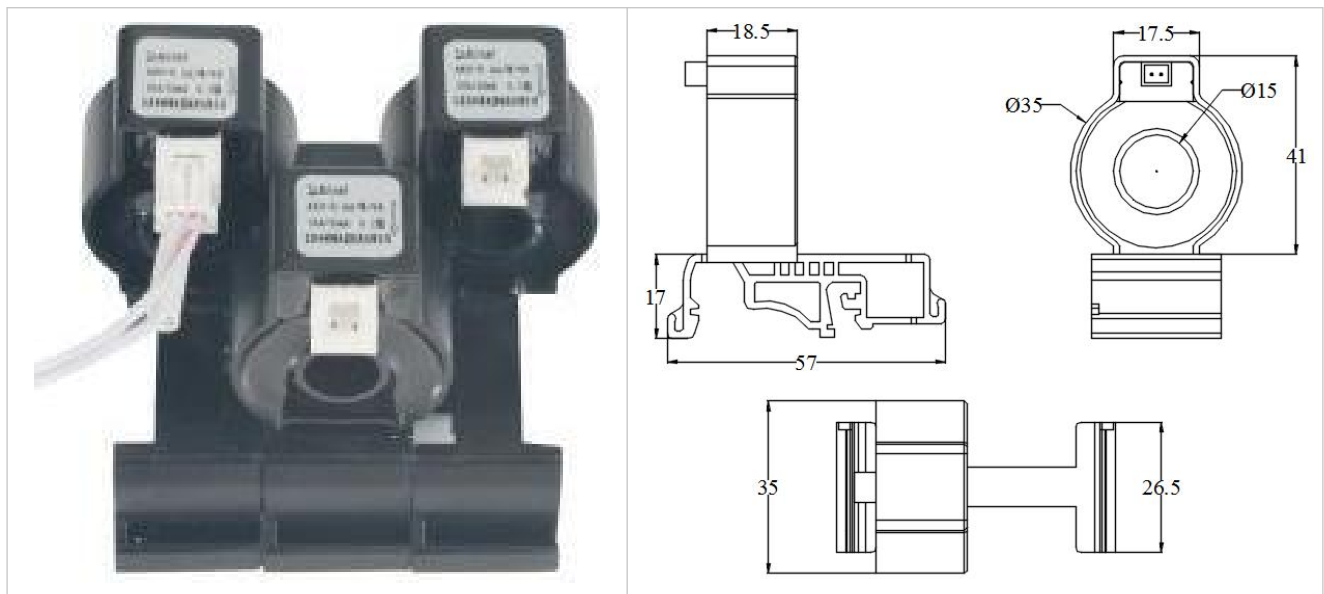


Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
50A/50mA	10	-	-	1	Phi 9 mm

DIN-rail-mounted small-current-output model for use with AMC16 multi-circuit power meters. Resin-filled side: P2.

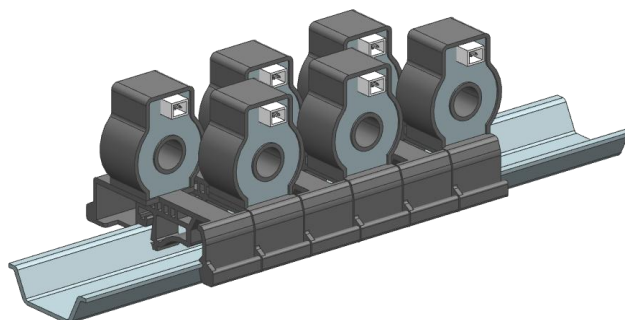


AKH-0.66 W-15A

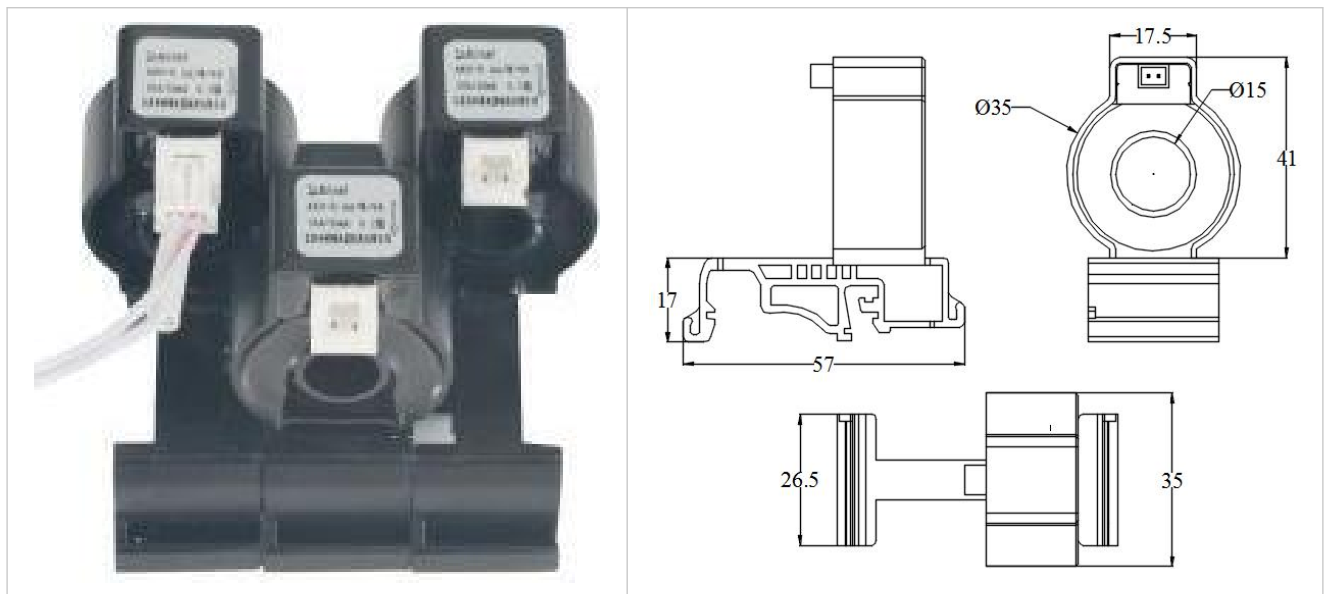


Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
100A/50mA	10	-	-	1	Phi 15 mm

DIN-rail-mounted small-current-output model for use with AMC16 multi-circuit power meters. Resin-filled side: P2.

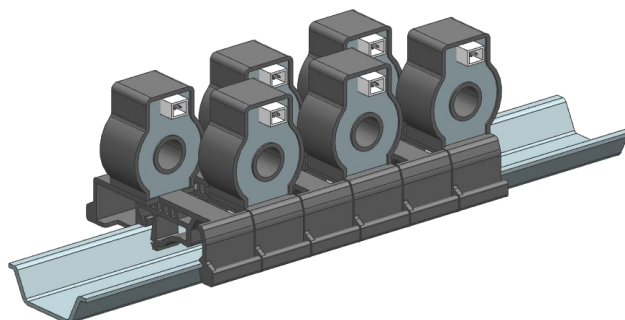


AKH-0.66 W-15B



Ratio	Cl.0.2 load	Cl.0.5 load	Cl.1 load	Turns	Aperture
100A/50mA	10	-	-	1	Phi 15 mm

DIN-rail-mounted small-current-output model for use with AMC16 multi-circuit power meters. Resin-filled side: P2.



Safety and Selection Notes

- Select the current ratio and rated load from the exact model table; do not infer an unlisted ratio.
- Observe P1/P2 current direction and S1/S2 lead identification for the selected model.
- The current-transformer secondary circuit must not be open when the primary circuit is energised.
- Special lead lengths may be customised according to the official specification; confirm requirements before ordering.
- For W-9N and W-12N, the recommended screwdriver torque is 0.5-0.7 N.m.

Document basis: H008 AKH-0.66 W Series Specification V1.0. No price or third-party sales contact information is included.