

AC Current In.

0~(60~600)A

DC Voltage Out.

1~5V/0~5V



AC Current Transducer BA50-AI/V

- Input: 0~(60~600)AAC
- Output: 1~5V/0~5V DC
- Power Supply: 12V/24V DC
- Perforation Hole Size: φ50mm
- Applicaition: Paired with PLC for Industrial Automation
- Accuracy: Class 0.5
- Response Time: ≤350ms
- Installation: 35mm DIN Rail/Screw fixed
- Standard&Certificate: CE; TÜV



CONTACT US

Series Overview



BA Series

Current Transducer

- BA05-AI/I&BA05-AI/V
- BA10-AI/I&BA10-AI/V
- BA20-AI/I&BA20-AI/V
- BA50-AI/I&BA50-AI/V
- BA50L-AI/I&BA50L-AI/V

General

Technical Spec

- Input: 0~(0.1~600)A AC
- Output: 4~20mA/1~5V DC and etc
- Accuracy: Class 0.5
- Power Supply: 12V/24V DC
- Installation: 35mm DIN Rail





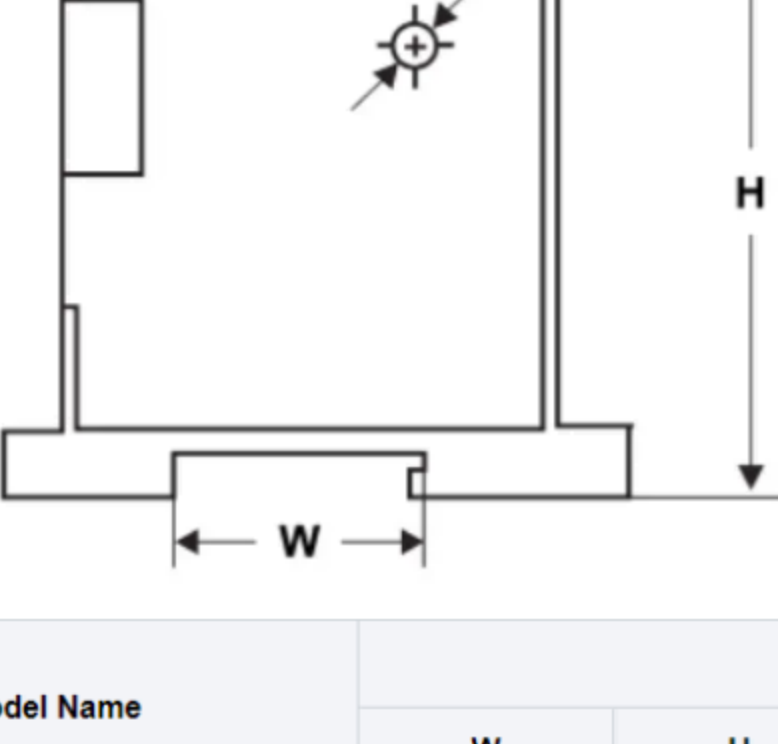
Working

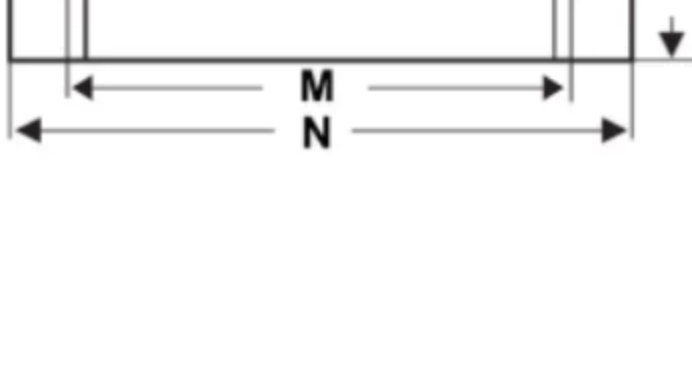
Environment

- Temperature: ~25°C~+70°C
- Altitude: ≤2500m
- Humidity: ≤90%

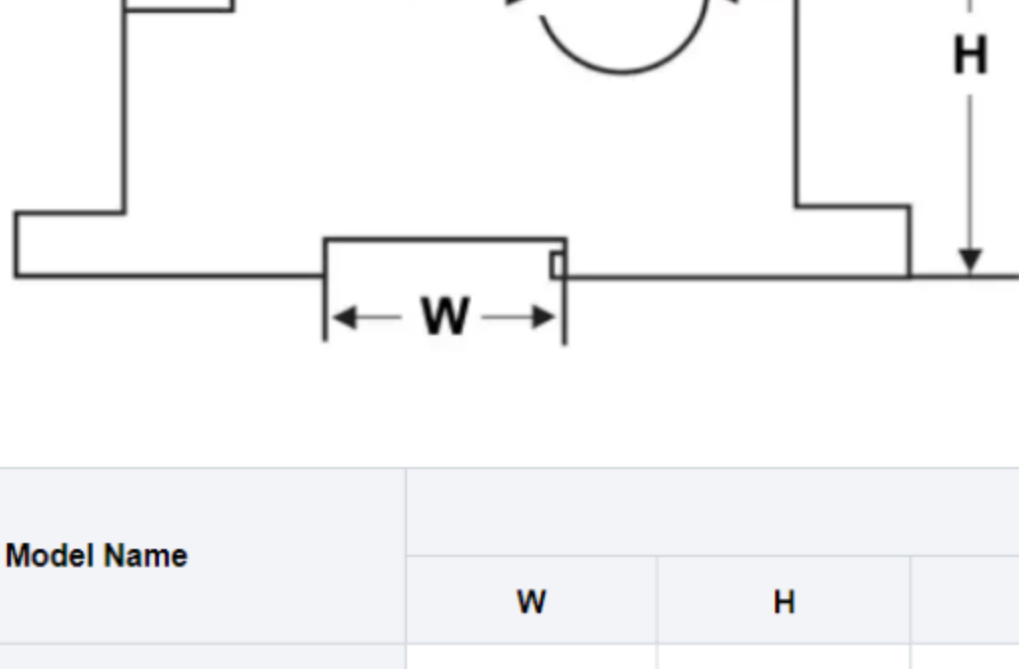
Model Name	Input	Output		Perforation Hole Size(mm)
	AC Current	DC Current	DC Voltage	
BA05-AI/I	0~(0.5~10)A	4~20mA/0~20mA	/	φ5
BA05-AI/V	0~(0.5~10)A	/	1~5V/0~5V	
BA10-AI/I	0~(8~50)A	4~20mA/0~20mA	/	φ10
BA10-AI/V	0~(8~50)A	/	1~5V/0~5V	
BA20-AI/I	0~(40~200)A	4~20mA/0~20mA	/	φ20
BA20-AI/V	0~(40~200)A	/	1~5V/0~5V	
BA50-AI/I	0~(60~600)A	4~20mA/0~20mA	/	φ50
BA50-AI/V	0~(60~600)A	/	1~5V/0~5V	
BA50L-AI/I	0~(0.1~1)A	4~20mA/0~20mA	/	
BA50L-AI/V	0~(0.1~1)A	/	1~5V/0~5V	

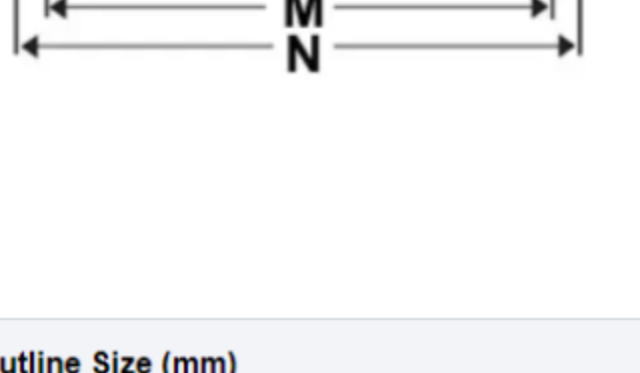
Dimension





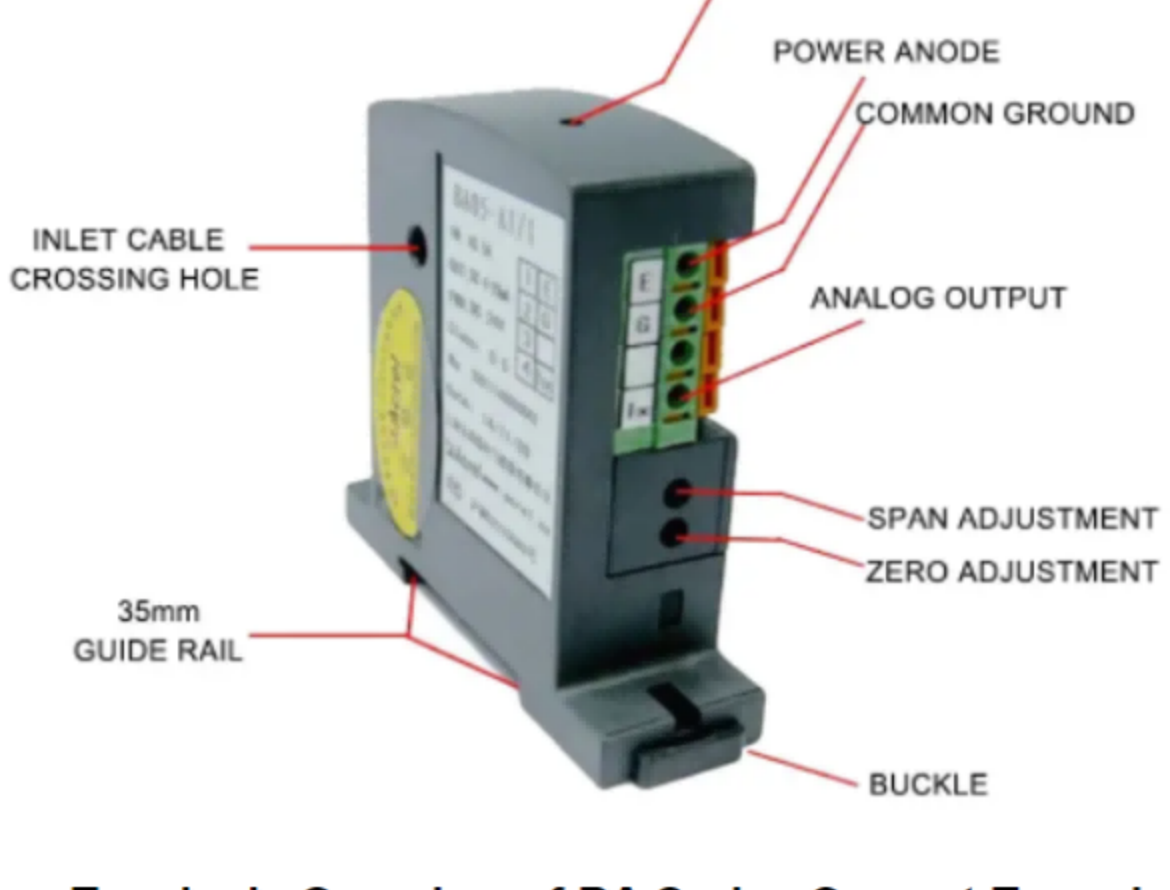
Model Name	Outline Size (mm)					
	W	H	Φ	M	N	L
BA05-AI/I&BA05-AI/V	35	69	5	62.5	76	22.5
BA10-AI/I&BA10-AI/V	35	74	9.5	62.5	76	22.5



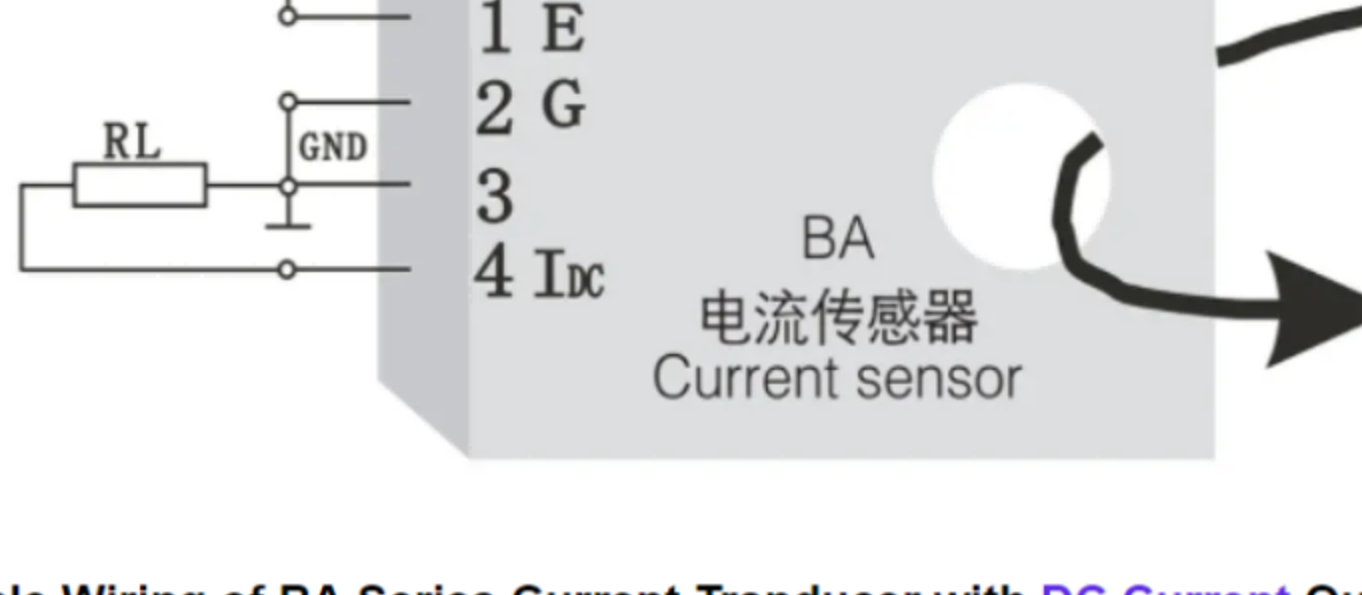


Model Name	Outline Size (mm)					
	W	H	Φ	M	N	L
BA20-AI/I&BA20-AI/V	35	60	21	93	102	24
BA50-AI/I&BA50-AI/V	35	84	50	125	135	24
BA50L-AI/I&BA50L-AI/V	35	84	50	125	135	24

Wiring Illustration



Wiring Terminals Overview of BA Series Current Transducer



Cable Wiring of BA Series Current Transducer with DC Current Output



Cable Wiring of BA Series Current Transducer with DC Voltage Output

Installation Instruction

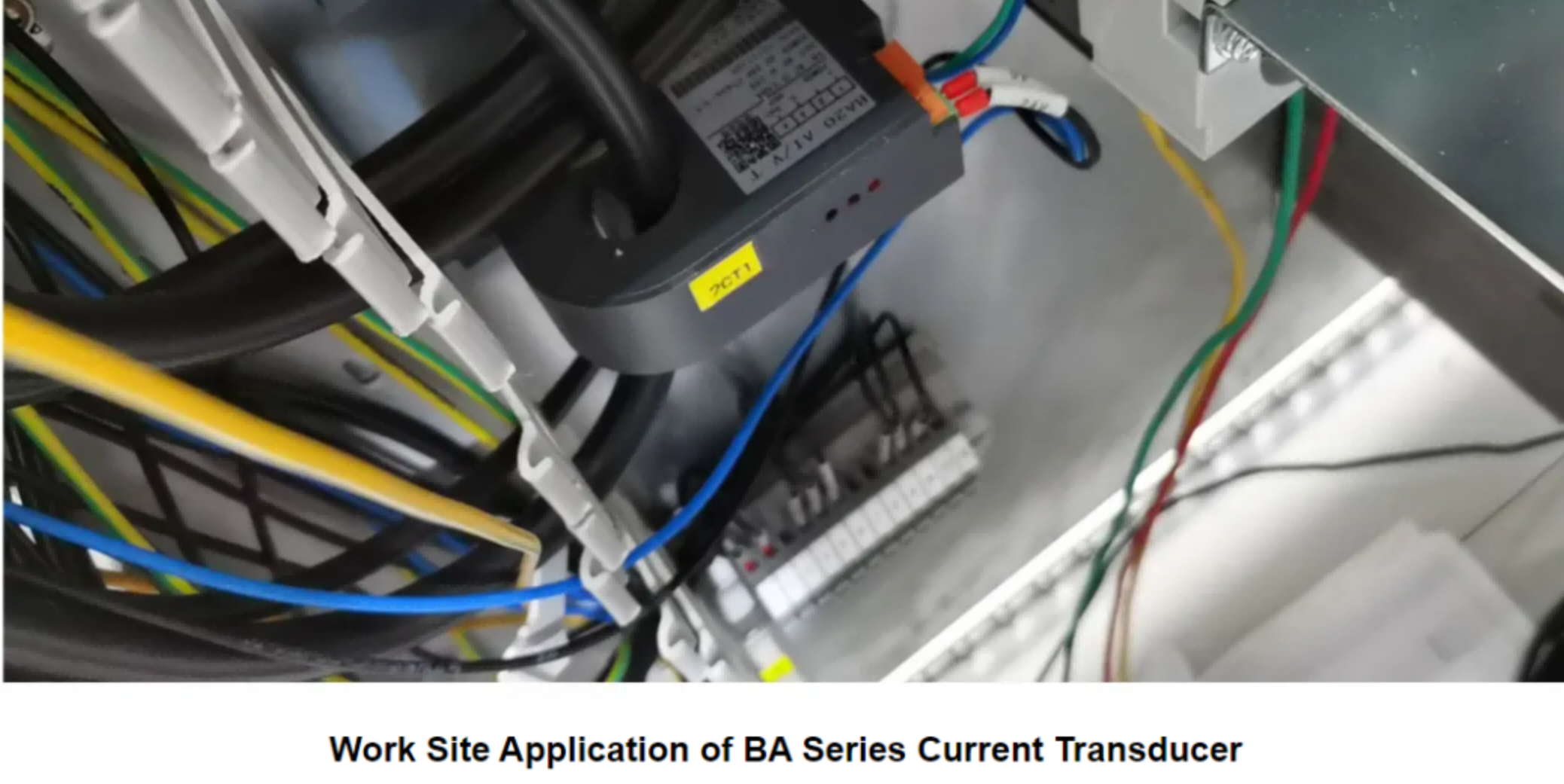


Installed on 35mm standard DIN Rail



Fixed by Screw on Sheet Metal

Work Site Application



Work Site Application of BA Series Current Transducer

Differential Technical Specification

Model Name	Input	Output		Perforation Hole Size(mm)
	AC Current	DC Current	DC Voltage	
BA05-AI/I	0~(0.5~10)A	4~20mA/0~20mA	/	φ5
BA05-AI/V	0~(0.5~10)A	/	1~5V/0~5V	
BA10-AI/I	0~(8~50)A	4~20mA/0~20mA	/	φ10
BA10-AI/V	0~(8~50)A	/	1~5V/0~5V	
BA20-AI/I	0~(40~200)A	4~20mA/0~20mA	/	φ20
BA20-AI/V	0~(40~200)A	/	1~5V/0~5V	
BA50-AI/I	0~(60~600)A	4~20mA/0~20mA	/	φ50
BA50-AI/V	0~(60~600)A	/	1~5V/0~5V	
BA50L-AI/I	0~(0.1~1)A	4~20mA/0~20mA	/	
BA50L-AI/V	0~(0.1~1)A	/	1~5V/0~5V	

General Technical Specification

Item	Description
Auxiliary Power Supply	DC 12V (range of 10~15V) or DC 24V (range of 18~30V)
Accuracy Class	0.5%
Load Resistance (Output)	Current Output: ≤500Ω; Voltage Output: ≤1000Ω
Response Time	≤350ms
Temperature	Operation Temp.: -10°C~+55°C; Storage Temp.: -40°C~+80°C
Temperature Coefficient	≤200ppm/°C
Humidity	≤90%
Altitude	≤2500m
Installation	35mm DIN Rail or Screw fixed
Standard	CE/TÜV