

Model:THST21WD-20A

Plug terminal output,sub-plate mount;wrong connection will lead to product damage.Please according to direction of arrow to thread when testing DC current,reverse threading will lead to inaccurate output.Output has linear relationship with primary current,output signal can directly enter automatic control equipment or PLC port.

Safety Index:

Flame resistance:UL94-V0

Work temperature:-10°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Dielectric strength:2.5KV 50Hz 1min

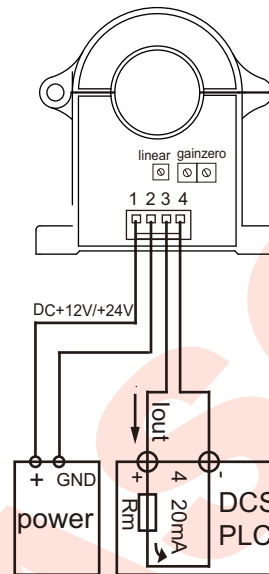
Over-load ability: 8 times 0.1S

Waterproof grade:IP00

Technical Parameters:

Rated input	20	A
Measuring range	$I_p \times 120\%$	A
Rated output	4-20	mA
Accuracy	1	%
Linearity	0.5	%
Supply voltage($\pm 5\%$)	+24	V
Current consumption	$38 + I_o$	mA
load capacity	10V/20mA	
Zero Offset TA=25°C	≤ 0.08	mA
Response time	< 350	ms
Work frequency	DC	
Weight		g

Connection diagram:



Threading direction:

epoxy surface → print surface

Terminal definition

1:+Vc

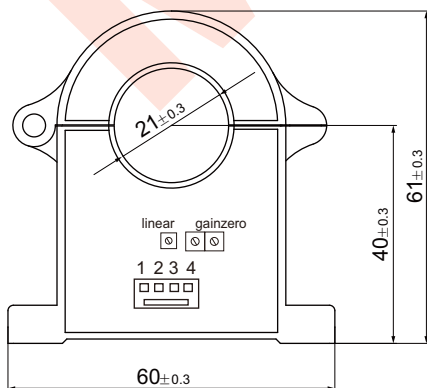
2:GND

3:Iout/Vout

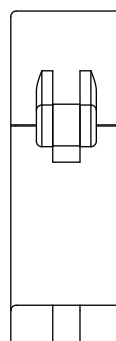
4:GND

- ※①choose small ripple stabilized auxiliary power supply(APS)
②get through APS
③APS connect transducer
④transducer test primary current

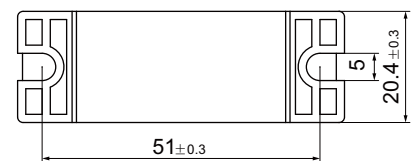
Dimensions(mm):



Front View



Side View



Bottom View

Model:THST21WD-60A

Plug terminal output,sub-plate mount;wrong connection will lead to product damage.Please according to direction of arrow to thread when testing DC current,reverse threading will lead to inaccurate output.Output has linear relationship with primary current,output signal can directly enter automatic control equipment or PLC port.

Safety Index:

Flame resistance:UL94-V0

Work temperature:-10°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Dielectric strength:2.5KV 50Hz 1min

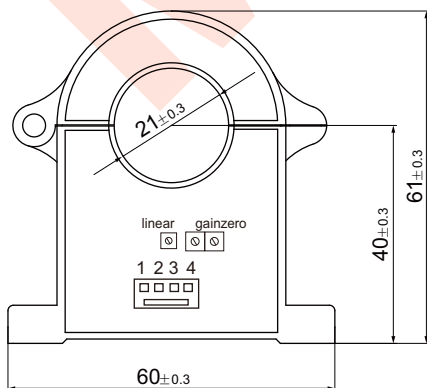
Over-load ability: 8 times 0.1S

Waterproof grade:IP00

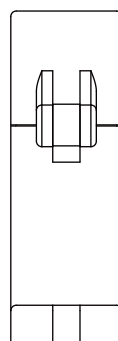
Technical Parameters:

Rated input	60	A
Measuring range	$I_p \times 120\%$	A
Rated output	2-5	V
Accuracy	1	%
Linearity	0.5	%
Supply voltage($\pm 5\%$)	+12	V
Current consumption	$38 + I_o$	mA
load capacity	10V/20mA	
Zero Offset TA=25°C	≤ 0.08	mA
Response time	< 350	ms
Work frequency	DC	
Weight		g

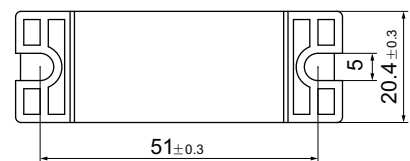
Dimensions(mm):



Front View

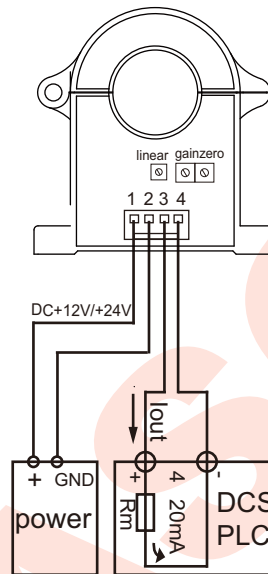


Side View



Bottom View

Connection diagram:



Threading direction:

epoxy surface → print surface

Terminal definition

1: +Vc

2: GND

3: Iout/Vout

4: GND

- ※①choose small ripple stabilized auxiliary power supply(APS)
②get through APS
③APS connect transducer
④transducer test primary current

Model:THST21WD-200A

Plug terminal output,sub-plate mount;wrong connection will lead to product damage.Please according to direction of arrow to thread when testing DC current,reverse threading will lead to inaccurate output.Output has linear relationship with primary current,output signal can directly enter automatic control equipment or PLC port.

Safety Index:

Flame resistance:UL94-V0

Work temperature:-10°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Dielectric strength:2.5KV 50Hz 1min

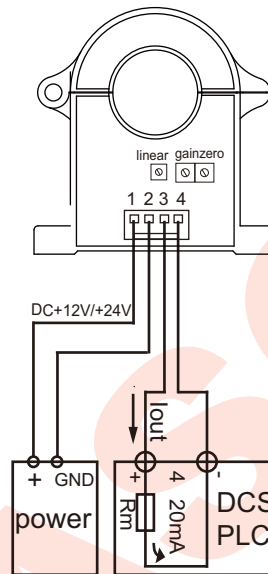
Over-load ability: 8 times 0.1S

Waterproof grade:IP00

Technical Parameters:

Rated input	200	A
Measuring range	$I_p \times 120\%$	A
Rated output	0-20 ; 4-20	
	2-5	V
Accuracy	1	%
Linearity	0.5	%
Supply voltage($\pm 5\%$)	+12、+24	V
Current consumption	$38 + I_o$	mA
load capacity	10V/20mA	
Zero Offset TA=25°C	≤ 0.08	mA
Response time	< 350	ms
Work frequency	DC	
Weight		g

Connection diagram:



Threading direction:

epoxy surface → print surface

Terminal definition

1:+Vc

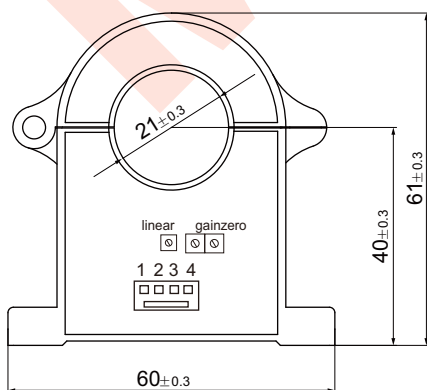
2:GND

3:Iout/Vout

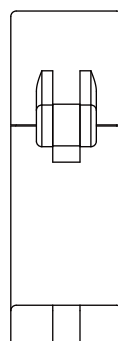
4:GND

- ※①choose small ripple stabilized auxiliary power supply(APS)
②get through APS
③APS connect transducer
④transducer test primary current

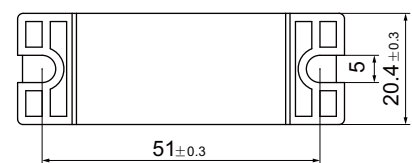
Dimensions(mm):



Front View



Side View



Bottom View

Hall closed loop current sensor

Model:THST21WD-60A

Epoxy potting plug terminal, leading wire or PCB welding output.AC/DC motor, current and voltage detection, battery powered, charging current detection, welding machine, inverter, automatic elevator, crane, papermaking,printing presses, injection molding machine, elevator Mechanical and electrical equipment such as AC/DC current/voltage detection

Technical indicators:

Flame resistance:UL94-V0

Work temperature:-25°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Bandwidth:DC ~ 150kHz

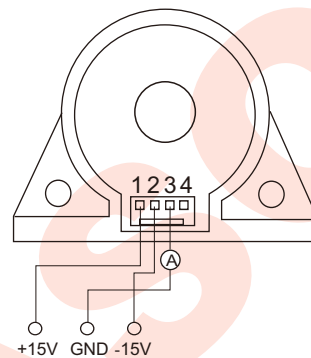
Dielectric strength:3.5KV 50Hz 1min

Electrical parameters:

I_P	Rated input	± 20	A
I_{PM}	Input measured range	± 30	A
I_{OUT}	Rated output	± 50	mA
X	Accuracy	0.5	%
ϵ_L	Linearity	< 0.2	%
V_C	Supply voltage($\pm 5\%$)	± 15	V
I_C	Current consumption	± 10	mA+Im
R_L	Load impedance	≤ 140	Ω
I_{OE}	Zero offset TA=25°C	$\leq \pm 0.75$	mA
T_R	Response time	< 1	μs
N.W	Weight	36	g



Connection diagram:



Terminal definition

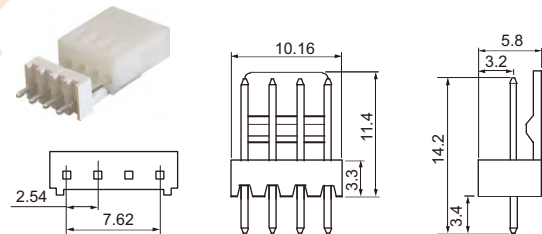
1 : +V

2 : -V

3 : M

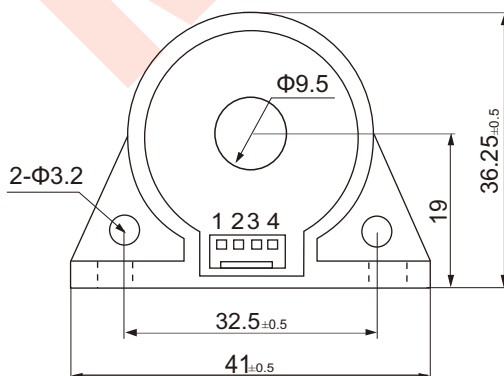
4 : N.C

Connector schematic diagram:

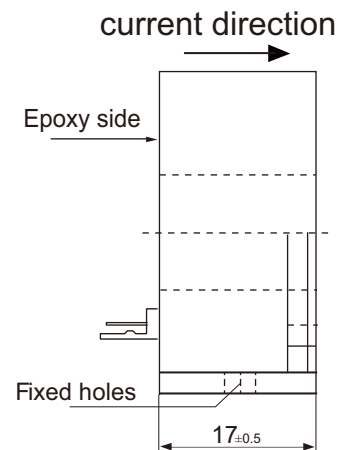


Cold-press terminal plug /socket, Distance 2.54, Stitch size 0.5×0.5

Dimensions(mm):



Front view



Side view

Model:HA2009-50A

Epoxy potting plug terminal, leading wire or PCB welding output.AC/DC motor, current and voltage detection, battery powered, charging current detection, welding machine, inverter, automatic elevator, crane, papermaking,printing presses, injection molding machine, elevator Mechanical and electrical equipment such as AC/DC current/voltage detection

Technical indicators:

Flame resistance:UL94-V0

Work temperature:-25°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Bandwidth:DC ~ 150kHz

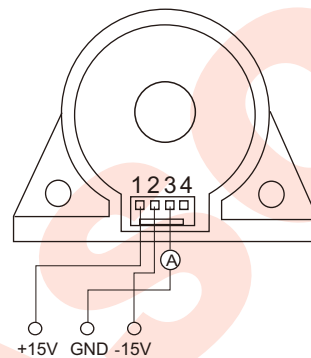
Dielectric strength:3.5KV 50Hz 1min

Electrical parameters:

I_P	Rated input	±50	A
I_{PM}	Input measured range	±75	A
I_{OUT}	Rated output	±50	mA
X	Accuracy	0.5	%
ϵ_L	Linearity	< 0.2	%
V_C	Supply voltage(±5%)	±15	V
I_C	Current consumption	±10	mA+Im
R_L	Load impedance	≤140	Ω
I_{OE}	Zero offset TA=25°C	≤±0.3	mA
T_R	Response time	< 1	μs
N.W	Weight	36	g



Connection diagram:



Terminal definition

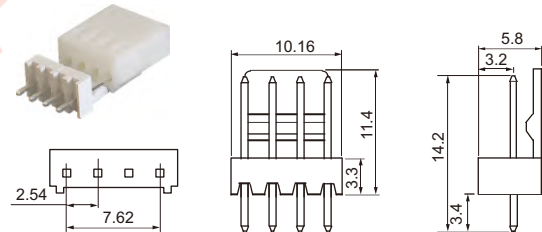
1 : +V

2 : -V

3 : M

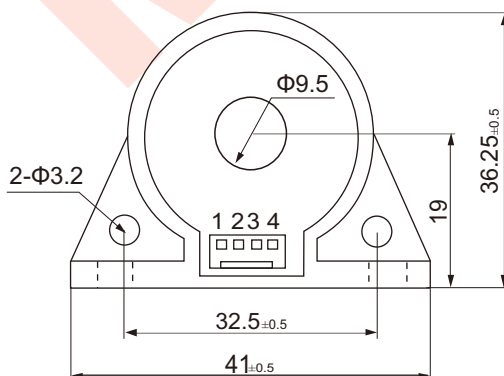
4 : N.C

Connector schematic diagram:

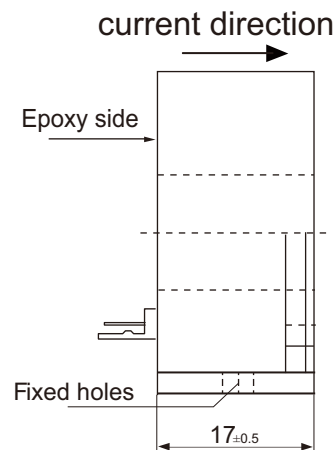


Cold-press terminal plug /socket,Distance 2.54, Stitch size 0.5×0.5

Dimensions(mm):



Front view



Side view

Model:HA2009-100A/50mA

Epoxy potting plug terminal, leading wire or PCB welding output.AC/DC motor, current and voltage detection, battery powered, charging current detection, welding machine, inverter, automatic elevator, crane, papermaking,printing presses, injection molding machine, elevator Mechanical and electrical equipment such as AC/DC current/voltage detection

Technical indicators:

Flame resistance:UL94-V0

Work temperature:-25°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Bandwidth:DC ~ 150kHz

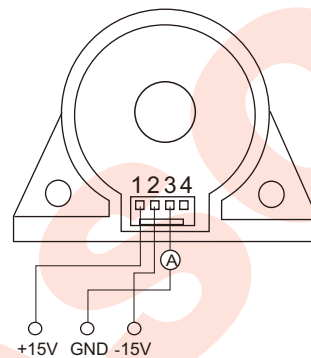
Dielectric strength:3.5KV 50Hz 1min

Electrical parameters:

I_P	Rated input	±100	A
I_{PM}	Input measured range	±150	A
I_{OUT}	Rated output	±50	mA
X	Accuracy	0.5	%
ϵ_L	Linearity	< 0.2	%
V_C	Supply voltage(±5%)	±15	V
I_C	Current consumption	±10	mA+Im
R_L	Load impedance	≤140	Ω
I_{OE}	Zero offset TA=25°C	≤±0.15	mA
T_R	Response time	< 1	μs
N.W	Weight	36	g



Connection diagram:



Terminal definition

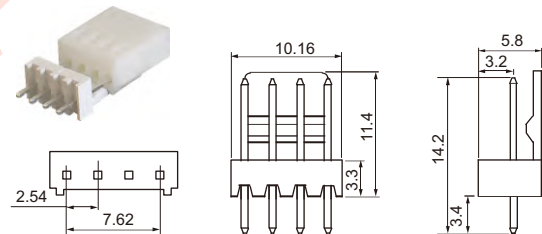
1 : +V

2 : -V

3 : M

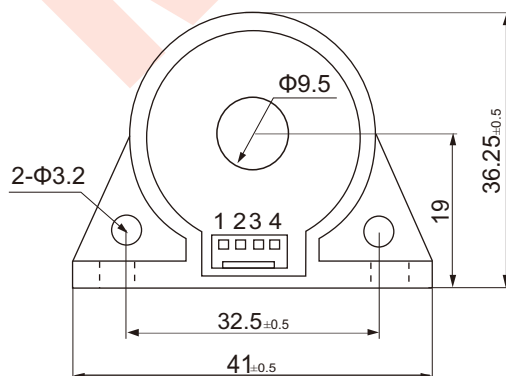
4 : N.C

Connector schematic diagram:

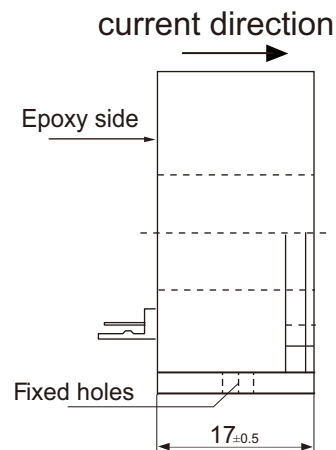


Cold-press terminal plug /socket,Distance 2.54, Stitch size 0.5×0.5

Dimensions(mm):



Front view



Side view

Model:HA2009-100A/33.3mA

Epoxy potting plug terminal, leading wire or PCB welding output.AC/DC motor, current and voltage detection, battery powered, charging current detection, welding machine, inverter, automatic elevator, crane, papermaking,printing presses, injection molding machine, elevator Mechanical and electrical equipment such as AC/DC current/voltage detection

Technical indicators:

Flame resistance:UL94-V0

Work temperature:-25°C ~ +70°C

Storage temperature:-40°C ~ +85°C

Bandwidth:DC ~ 150kHz

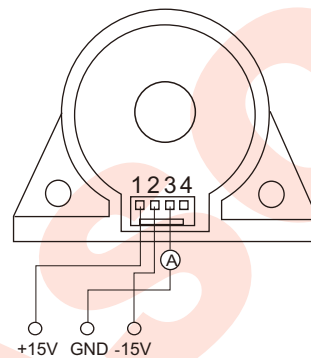
Dielectric strength:3.5KV 50Hz 1min

Electrical parameters:

I_P	Rated input	± 100	A
I_{PM}	Input measured range	± 150	A
I_{OUT}	Rated output	± 33.3	mA
X	Accuracy	0.5	%
ϵ_L	Linearity	< 0.2	%
V_C	Supply voltage($\pm 5\%$)	± 15	V
I_C	Current consumption	± 10	mA+Im
R_L	Load impedance	≤ 200	Ω
I_{OE}	Zero offset TA=25°C	$\leq \pm 0.1$	mA
T_R	Response time	< 1	μs
N.W	Weight	36	g



Connection diagram:



Terminal definition

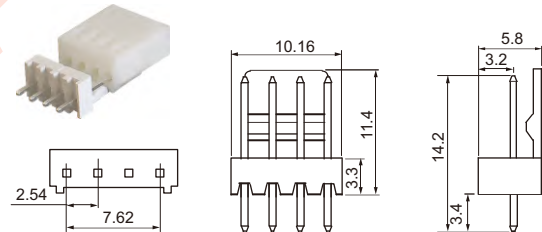
1 : +V

2 : -V

3 : M

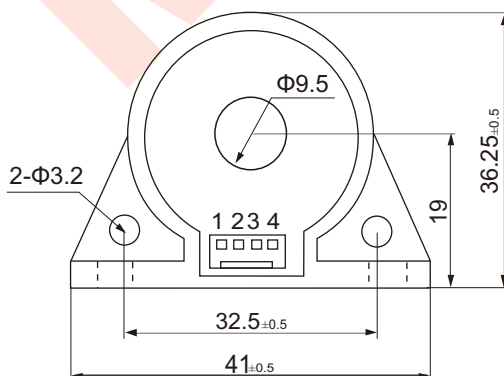
4 : N.C

Connector schematic diagram:

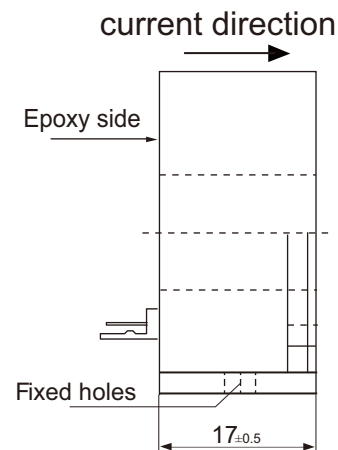


Cold-press terminal plug /socket,Distance 2.54, Stitch size 0.5×0.5

Dimensions(mm):



Front view



Side view