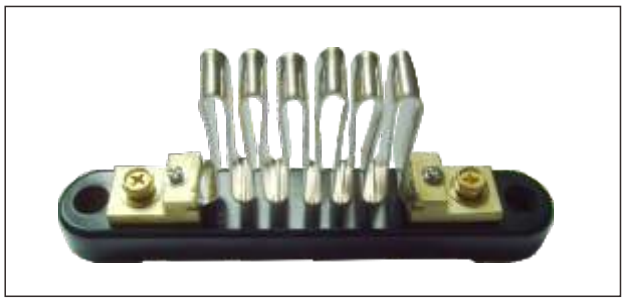


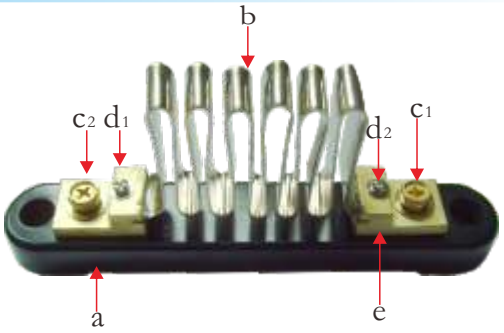
Features

Ⅰ High reliability
Ⅱ High over loading ability
Ⅲ Extremely low inductance

Applications

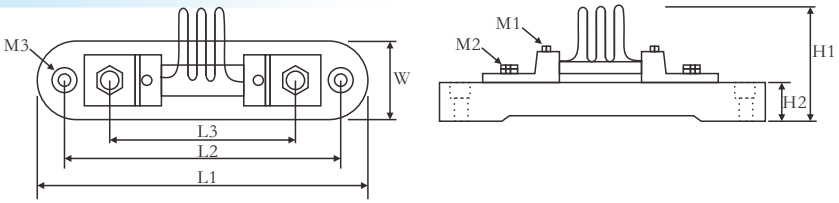
Ⅰ Used for extending the current range of measure
Ⅱ Current balance or sampling for testing
Ⅲ Automation control to limit the current

Construction



a	Insulating base
b	Precision manganin
c1,c2	Input terminal
d1,d2	Output terminal
e	Copper base

Dimensions,Applications And Ratings



TYPE	Voltage type	Dimensions(mm)								
		L1±1.0	L2±1.0	L3±1.0	W±1.0	H1±0.5	H2±0.5	M3±0.3	M1±0.3	M2±0.3
STH1	1000mv 100A	175	150	112	30	70	16	6	3	6

Ordering Information

Example:

STH1	60A	1000mv	D	C	B
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Rated Current	Rated Drop	Resistance Tolerance	T.C.R	Packing

(1)Type: STH1 SERIES
(2)Rated Current: 60=60A
(3)Rated Drop: 1000=1000mV
(4)Resistance Tolerance: D=±5%,F=±1%
(5)T.C.R:C3=±25ppm,C4=±20ppm,C5=±15ppm
(6)Packing:B=bulk standard

Reference Standards

JISC 5201-1

Performance

Test Items	Test Methods(JIS C 5201-1)
Accuracy class	0.5
Ambient temperature&Relative humidity	-40~+60℃ Relative Humidity≤95%(at35℃)
Overload	Rating current120%,2h
Voltage outputs	50mv ,60mv ,75mv ,100mv ,150mv products are available
Surface temperature rise	not over than 80℃ within 50A, not exceed 120℃if higher than 50A
Temperature coefficient	$\pm 25x10^{-6}$℃;$\pm 50x10^{-6}$℃;$\pm 100x10^{-6}$℃;