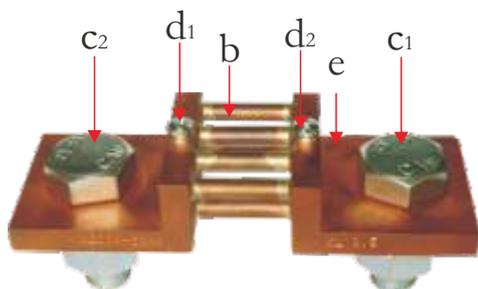


Construction



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

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

Ordering Information

Example:

STI	100A	50mv	D	C	B
(1)	(2)	(3)	(4)	(5)	(6)
Type	Rated Current	Rated Drop	Resistance Tolerance	T.C.R	Packing

(1)Type: STI Shunts

(2) Rated Current : 125=125A,100=100A,75=75A,50=50A,25=25A

(3) Rated Drop : 50= 50mV,60=60mV,70=70mV,100=100mV,150=150mV

(4) Resistance Tolerance : D= $\pm 0.5\%$,F= $\pm 1\%$

(5)T.C.R: C3= $\pm 25\text{ppm}$,C4= $\pm 20\text{ppm}$,C5= $\pm 15\text{ppm}$

(6) Packing:B=bulk standard

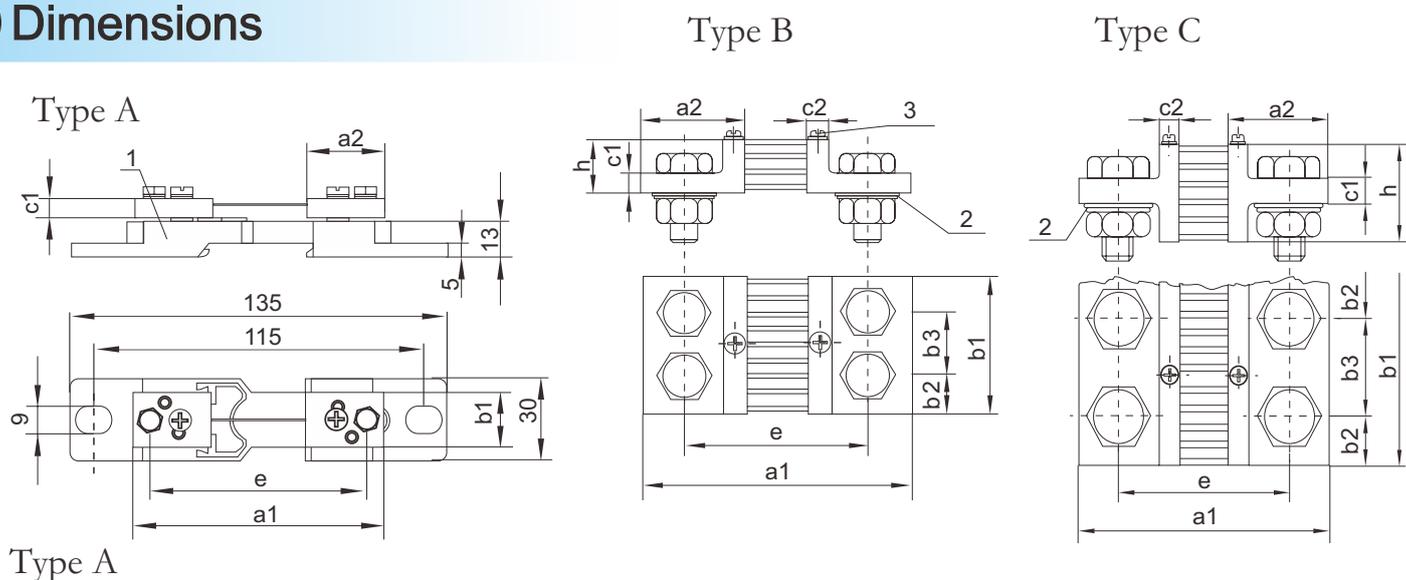
Reference Standards

JISC 5201-1

Performance

Test Items	Test Methods(JIS C 5201-1)
Accuracy class	0.5
Ambient temperature&Relative humidity	-40~+60°C Relative Humidity $\leq 95\%$ (at35°C)
Overload	Rating current120%,2h
Voltage outputs	50mv ,60mv ,75mv ,100mv ,150mv products are available
Surface temperature rise	not over than 80 °C within 50A, not exceed 120 °C if higher than 50A
Temperature coefficient	$\pm 25 \times 10^{-6} \text{ } ^\circ\text{C}$; $\pm 50 \times 10^{-6} \text{ } ^\circ\text{C}$; $\pm 100 \times 10^{-6} \text{ } ^\circ\text{C}$;

Dimensions



Type A

Type	Voltage type	Current	Dimensions(mm)											
			a1	a2	b1	b2	b3	c1	c2	e	h	No of terminals	Bolt size	Nut
STI	50mv	10A~30A	90	28	20	-	-	8	-	78	-	2×1	M5×12	-
		40A~200A	93	33	20	-	-	8	-	73	-	2×1	M8×16	-
	60mv	10A~30A	90	28	20	-	-	8	-	78	-	2×1	M5×12	-
		40A~200A	100	33	20	-	-	8	-	80	-	2×1	M8×16	-
	75mv	10A~30A	90	28	20	-	-	8	-	78	-	2×1	M5×12	-
		40A~200A	115	33	25	-	-	8	-	95	-	2×1	M8×16	-
	100mv	10A~30A	90	28	20	-	-	8	-	78	-	2×1	M5×12	-
		40A~200A	145	33	25	-	-	8	-	125	-	2×1	M8×16	-
150mv	10A~30A	90	28	20	-	-	8	-	78	-	2×1	M5×12	-	
	40A~200A	225	33	25	-	-	8	-	205	-	2×1	M8×16	-	

Type B

Type	Voltage type	Current	Dimensions(mm)											
			a1	a2	b1	b2	b3	c1	c2	e	h	No of terminals	Bolt size	Nut
STI	50mv	200A~250A	138	55	30	15	-	10	10	98	30	2×1	M12×40	M12
		400A~600A	138	55	40	20	-	10	10	98	30	2×1	M16×45	M16
		1000A	158	65	60	30	-	10	10	108	30	2×1	M20×50	M20
		1500A	158	65	90	21	48	10	10	108	30	2×2	M16×45	M16
		2000A-2500A	158	65	120	30	60	10	10	108	30	2×2	M20×50	M20
	60mv	200A~250A	145	55	30	15	-	10	10	105	30	2×1	M12×40	M12
		400A~600A	145	55	40	20	-	10	10	105	30	2×1	M16×45	M16
		1000A	165	65	60	30	-	10	10	115	30	2×1	M20×50	M20
		1500A	165	65	90	21	48	10	10	115	30	2×2	M16×45	M16
		2000A-2500A	165	65	120	30	60	10	10	115	30	2×2	M20×50	M20
	75mv	200A~250A	160	55	30	15	-	10	10	120	30	2×1	M12×40	M12
		400A~600A	160	55	40	20	-	10	10	120	30	2×1	M16×45	M16
		1000A	180	65	60	30	-	10	10	130	30	2×1	M20×50	M20
		1500A	180	65	120	30	60	10	10	130	30	2×2	M16×45	M16
		2000A-2500A	180	65	120	30	60	15	10	130	60	2×2	M20×50	M20
	100mv	200A~250A	190	55	30	15	-	10	10	150	30	2×1	M12×40	M12
		400A~600A	190	55	40	20	-	10	10	150	30	2×1	M16×45	M16
		1000A	210	65	60	30	-	10	10	160	30	2×1	M20×50	M20
		1500A	210	65	120	30	60	10	10	160	30	2×2	M16×45	M16
		2000A-2500A	210	65	120	30	60	15	10	160	30	2×2	M20×50	M20
150mv	200A~250A	270	55	30	15	-	10	10	230	50	2×1	M12×40	M12	
	400A~600A	270	55	40	20	-	10	10	230	50	2×1	M16×45	M16	
	1000A	290	65	70	35	-	10	10	240	60	2×1	M20×50	M20	
	1500A	290	65	90	21	48	15	10	240	60	2×2	M16×45	M16	
	2000A-2500A	290	65	120	30	60	15	10	240	60	2×2	M20×50	M20	

Type C

Type	Voltage type	Current	Dimensions(mm)											
			a1	a2	b1	b2	b3	c1	c2	e	h	No of terminals	Bolt size	NUT
STI	50mv	4000A	158	65	120	30	60	15	10	108	60	2×2	M20×60	M20
		6000A	168	70	154	25	52	25	15	118	130	2×3	M20×75	M20
		10000A	178	75	206	25	52	30	20	128	170	2×4	M20×80	M20
	60mv	4000A	165	65	120	30	60	15	10	115	60	2×2	M20×60	M20
		6000A	175	70	154	25	52	25	15	125	130	2×3	M20×75	M20
		10000A	185	75	206	25	52	30	20	135	170	2×4	M20×80	M20
	75mv	4000A	190	70	120	30	60	25	10	140	130	2×2	M20×60	M20
		6000A	190	70	154	25	52	25	15	140	130	2×3	M20×75	M20
		10000A	200	75	206	25	52	30	20	150	170	2×4	M20×80	M20
	100mv	4000A	220	70	120	30	60	25	15	170	130	2×2	M20×60	M20
		6000A	220	70	154	25	52	25	15	170	130	2×3	M20×75	M20
		10000A	230	75	206	25	52	30	20	180	170	2×4	M20×80	M20
	150mv	4000A	300	70	120	30	60	25	15	250	130	2×2	M20×60	M20
		6000A	300	70	154	25	52	25	15	250	130	2×3	M20×75	M20
		10000A	310	75	206	25	52	30	20	260	170	2×4	M20×80	M20