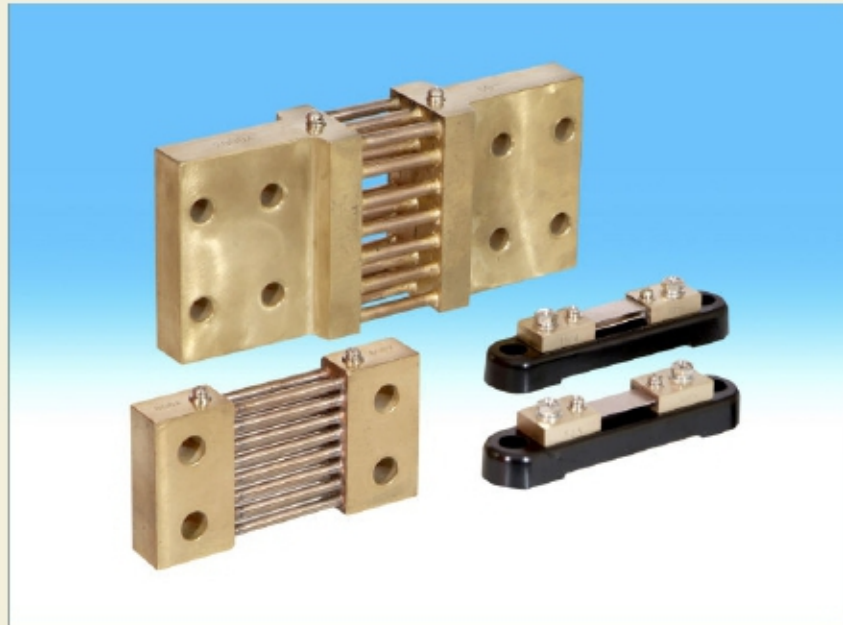


SWITCHBOARD SHUNTS



OPERATION / APPLICATION

The AMELEC range of accessories includes Switchboard Shunts which offer class 0.5 accuracy and are suitable for all DC current monitoring applications. The manganin shunts have brass ends and enable the measurement of DC currents from 10A up to 5000A.

They are available in two ranges, which develop either 50mV or 60mV at full load current. The mV signal can then be safely taken to a moving coil indicating instrument which is appropriately scaled or other monitoring device.

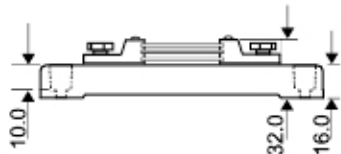
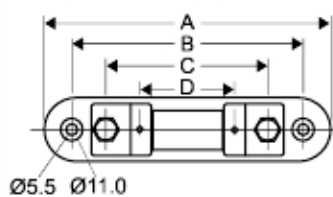
All of our shunts up to the 200A rating are mounted on an insulating base. All non-insulated shunts may need protection against accidental contact. The shunts should be mounted vertically with the blade faces vertical to achieve maximum heat dissipation.

SPECIFICATION

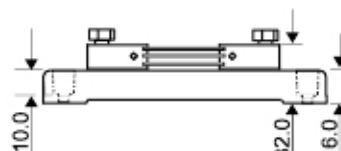
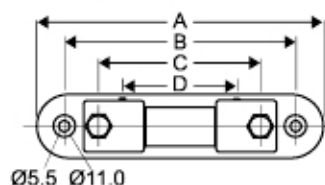
Ref. standard:	BS89	Enclosure:	Insulated base	Temp coefficient:	0.004%/ C
Output:	50mV (FST series) 60mV (FST series)		(all shunts up to 200A)	Freq:	50 or 60Hz
Accuracy:	Class 0.5	Mounting:	See dimension drawing	Terminals:	M3 screw terminals
Overload:	1.2 x In continuous	Calibration temp:	20 C	Weight:	See dimension drawing
5 second withstand:	10 x In (10A to 500A) 5x In (600A to 2000A) 2x In (2500A to 5000A)	Operating temp:	-20 to +60 C	Markings:	CE Marked

DIMENSIONS

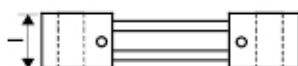
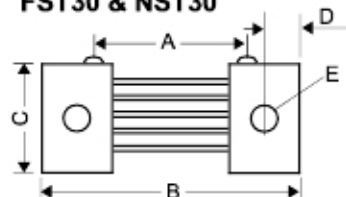
FST10 & NST10



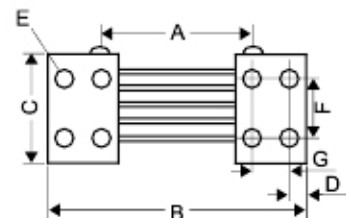
FST20 & NST20



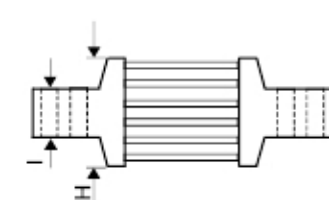
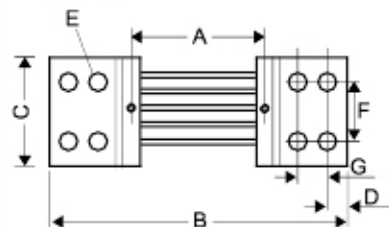
FST30 & NST30



FST40 & NST40



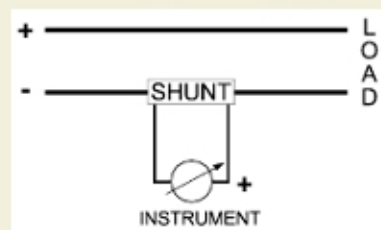
NST50



50mV SHUNT	CURRENT	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight grams
FST10	10...150A	138	110	72	44	N/A	N/A	N/A	N/A	N/A	140
FST20	200A	138	110	72	49	N/A	N/A	N/A	N/A	N/A	250
FST30	250A	67	116	41	14	11	N/A	N/A	N/A	12.5	320
FST30	300A	67	116	34	16	12.5	N/A	N/A	N/A	18	380
FST30	400A	67	116	44	16.5	12.5	N/A	N/A	N/A	19	540
FST30	500A	67	116	55	14	12.5	N/A	N/A	N/A	19	680
FST30	600A	67	123	55	17	12.5	N/A	N/A	N/A	22	820
FST40	800A	67	123	70	17	12.5	34	N/A	N/A	22	1050
FST40	1000A	70	159	70	19	12.5	36	N/A	N/A	20	1450
60mV SHUNT	CURRENT	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight grams
NST10	10...150A	138	110	74	43	N/A	N/A	N/A	N/A	N/A	150
NST20	200A	138	110	74	53	N/A	N/A	N/A	N/A	N/A	250
NST30	250A	66	114	40	13	10	N/A	N/A	N/A	12	300
NST30	300A	66	115	35	15	12.5	N/A	N/A	N/A	19	420
NST30	400A	66	115	44	16	12.5	N/A	N/A	N/A	19	520
NST30	500A	66	116	55	16	12.5	N/A	N/A	N/A	19	680
NST30	600A	66	122	65	16	12.5	N/A	N/A	N/A	19	880
NST40	800A	76	132	70	18	12.5	36	N/A	N/A	21	1040
NST40	1000A	63	159	70	19	12.5	36	N/A	N/A	21	1440
NST40	1200A	76	171	85	21	15	43.5	N/A	N/A	21	1880
NST40	1500A	64	159	100	21	12.5	49	N/A	N/A	19	2100
NST50	2000A	67	228	103	11	11.5	50	38	49	26	5000
NST50	2500A	57	187	103	11	14	50	38	49	38	5500
NST50	3000A	65	280	103	20	16	49	45	63	28	6700
NST50	4000A	68	293	110	19	16	50	51	80	34	9400
NST50	5000A	68	314	128	21	16	60	55	105	41	15500

All dimensions in mm

WIRING CONNECTIONS



ORDERING INFORMATION

50mV MODEL	CURRENT RATINGS AVAILABLE (AMPS)
FST10	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 150
FST20	200
FST30	250, 300, 400, 500, 600
FST40	800, 1000
60mV MODEL	CURRENT RATINGS AVAILABLE (AMPS)
NST10	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 150
NST20	200
NST30	250, 300, 400, 500, 600
NST40	800, 1000, 1200, 1500
NST50	2000, 2500, 3000, 4000, 5000

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