

◆ DC SHUNTS

DC shunts are available for currents between 10Amps and 10000Amps, offering reliability and class 1.0, 0.5, 0.2 accuracy making them suitable for a large range of industrial applications.

Five ranges are available that develop either 50mV, 60mV, 75mV, 100mV, 250mV at full load current. The millivolt signal can then be safely taken to suitably scaled moving coil indicating instrument or other monitoring device.

The shunts are brass ended manganin and all shunts up to the 200 Amp rating are mounted on an insulated base ensuring electrical insulation. All non-insulated shunts may need protection against accidental. The shunts should be mounted vertically with the blade faces vertical to achieve maximum heat dissipation.

◆ Product Features

Brass ended manganin shunts
10 Amp to 10000 Amp
50mV or 60mV output
75mV or 100mV or 250mV
Accuracy class 1.0, 0.5, 0.2
Insulated base on shunts up to 200A

◆ Specification

Reference Standard:
Bs89, IEC51

◆ Accuracy:

Class 1.0 ($\pm 1.0\%$ max. error)
Class 0.5 ($\pm 0.5\%$ max. error)
Class 0.2 ($\pm 0.2\%$ max. error)

◆ Current Rating, In:

0–10A to 0–10000A
(see range data table)

◆ Output

0–50mV
0–60 mV
0–75mV
0–100mV
0–250mV

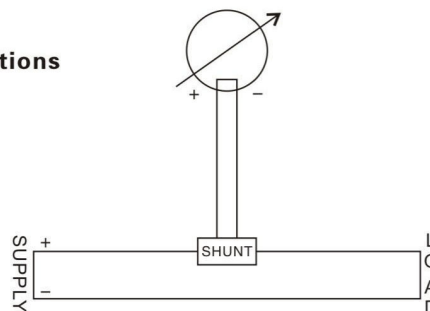
◆ Overload

1.2 In continuous
10 In for 5 seconds (10A to 500A)
5 In for 5 seconds (600A to 2000A)
2 In for 5 seconds (2500A to 5000A)
2 In for 5 seconds (5000A to 10000A)

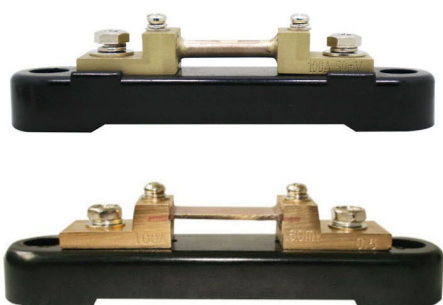
◆ Operating Temperature

–20°C to 60°C

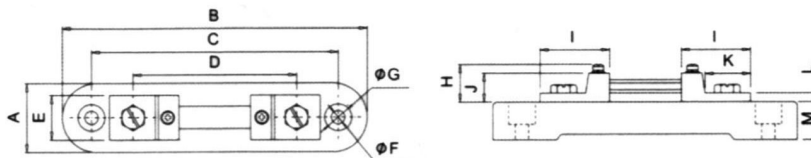
◆ Connections



◆ Outline and Fixing Dimensions:(mm)



BE-10-200A

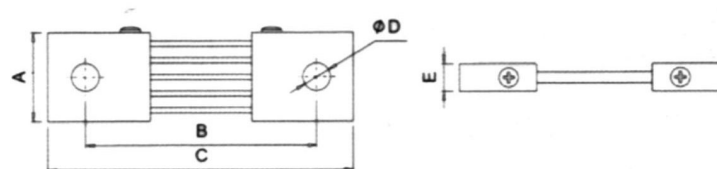


Model	A	B	C	D	E	F	G	H	I	J	K	L	M
BE-10A/50-250mV ~BE-150A/50-250mV	31	136	110	73	20	6	12	17	32	13	21	5	17
BE-200A/50-250mV	31	136	110	67	20	6	12	17	29	15	–	–	17

◆ Outline and Fixing Dimensions:(mm)



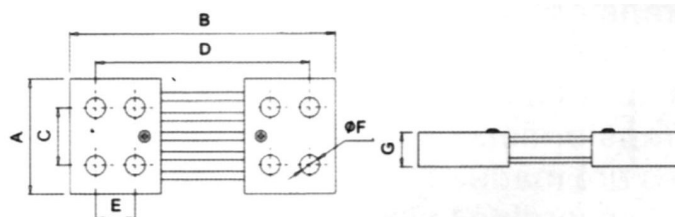
BE-200A-600A



Model	A	B	C	D	E
BE-200A/50-100mV	32	89	116	10	10
BE-250A/50-100mV	41	86	116	10	12
BE-300A/50-100mV	34	86	118	12	20
BE-400A/50-100mV	45	86	119	12	20
BE-500A/50-100mV	55	86	116	12	20
BE-600A/50-100mV	55	90	122	12	20



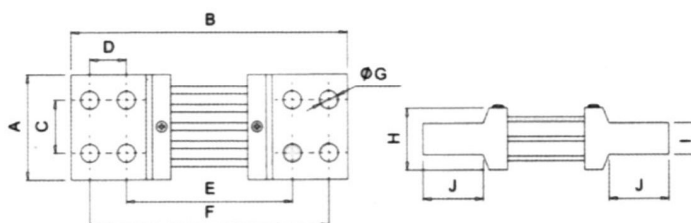
BE-800A-1500A



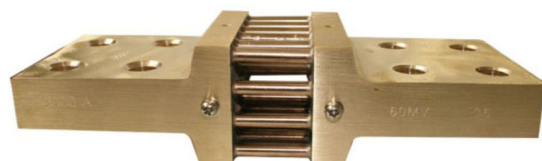
Model	A	B	C	D	E	F	G
BE-800A/50-100mV	70	122	35	90	-	12	20
BE-1000A/50-100mV	70	159	35	121	-	12	21
BE-1500A/50-100mV	100	159	49	119	-	12	21
BE-2000A/50-100mV	100	190	50	166	38	14	39



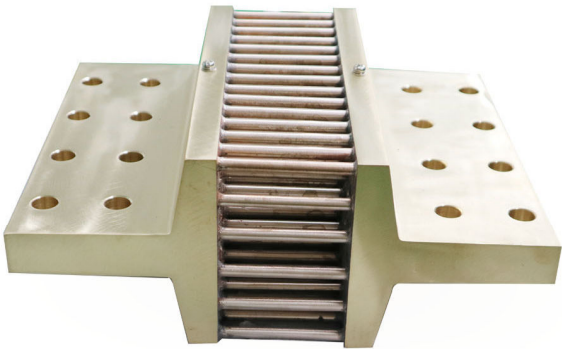
BE-2000A



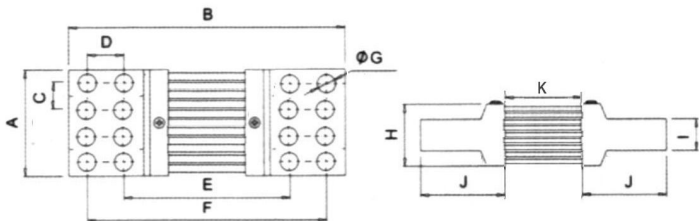
Model	A	B	C	D	E	F	G	H	I	J
BE-3000A/50-100mV	103	273	55	45	142	232	16	64	28	90
BE-4000A/50-100mV	110	292	50	50	153	253	16	82	34	97
BE-5000A/50-100mV	128	315	60	54	163	271	16	106	41	100



BE-3000A-5000A



BE-10000A



Model	A	B	C	D	E	F	G	H	I	J	K
BE-10000A/50-75mV	275	311	65	46	171	263	16.5	106	39	133.5	44
BE-10000A/100mV	275	334	65	46	207	299	16.5	130	30	127	80