

SHMI

RANGE

Vast choice of industrial applications.

USER SECTORS



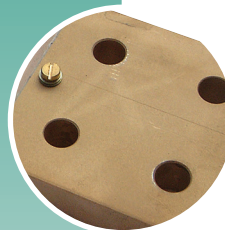
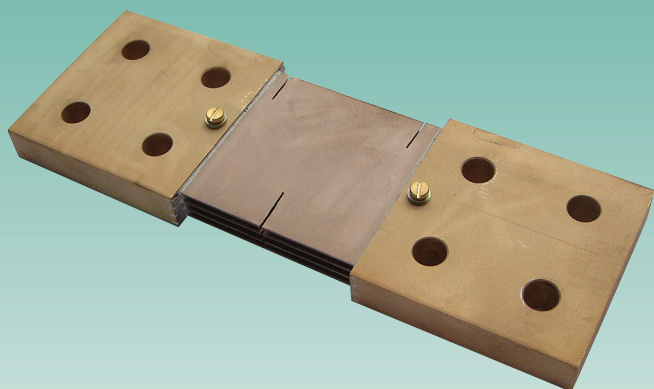
Tertiary



Industry



Energy efficiency



Easy-to-connect brass plates

GENERAL SPECIFICATIONS

Accuracy class defined in the following domain:

Over the entire measurement range

For an ambient temperature of:

-10°C to +35°C (class 0.2)

-25°C to +40°C (class 0.5 and 1)

For a blade temperature of 80°C

For a shunt current ≤ 5 mA

Permitted rated calibres:

$I_n = 1$ A - 1.25 A - 1.5 A - 2 A - 2.5 A - 3 A - 4 A - 5 A - 6 A - 7.5 A ; and their multiples or sub-multiples

Permitted overloads:

On average and in normal operating conditions



- Range with excellent performance/price trade-off
- A wide choice of voltage drops
- Compact design that respects accepted thermal dissipation requirements

I nominal (I_n)	2 h	5 s Class 0.2	5 s Class 0.5 et 1
< 250 A	1.2 I_n	2 I_n	10 I_n
250 to 2000 A	1.2 I_n	2 I_n	5 I_n
> 2000 A	1.2 I_n	2 I_n	2 I_n

Voltage drops:

50 mV - 60 mV - 100 mV - 150 mV - 200 mV - 300 mV - 1 V

Compliance with standards:

Accuracy and influence factor: IEC 60051-1 to 9

Preferred ratings and dimensions for 100 mV shunts:

NFC 42-151/152/153

Lead-free range: RoHS directive (2002/95/CE)

MOUNTING ACCESSORIES

Kit of screw connectors + lead for shunt	Reference
1 to 25 A range	2919 9901
30 to 75 A range	2919 9902
100 A range	2919 9903
125 to 200 A range	2919 9904
250 to 500 A range	2919 9905
600 A and 750 A range	2919 9906

ASSOCIATED PRODUCT



Mounting accessories

Screws, bolts and cables

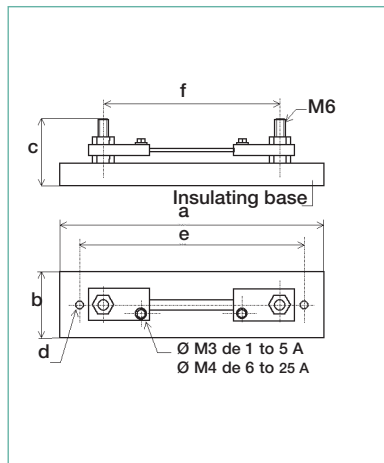
Ratings from 1 to 750 A.

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1 A to 25 A SCREW CONNECTION

Voltage drop: 100 mV
Class 0.5 and 1

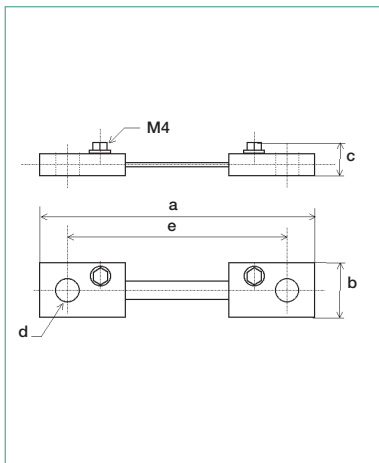


Dimensions (mm)						
Current	a	b	c	d	e	f
1 A	162	25	40	3.5	152	110
2 A	162	25	40	3.5	152	110
2.5 A	162	25	40	3.5	152	110
3 A	162	25	40	3.5	152	110
4 A	162	25	40	3.5	152	110
5 A	162	25	40	3.5	152	110
6 A	162	25	40	3.5	152	110
7.5 A	162	25	40	3.5	152	110
10 A	162	25	40	3.5	152	110
15 A	162	25	40	3.5	152	110
20 A	162	25	40	3.5	152	110
25 A	162	25	40	3.5	152	110

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30 A to 750 A SCREW CONNECTION

Voltage drop: 100 mV
Class 0.5 and 1

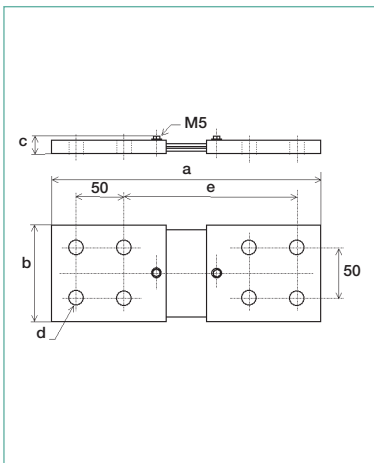


Dimensions (mm)					
Current	a	b	c	d	e
30 A	150	16	10	8.5	130
40 A	150	16	10	8.5	130
50 A	150	16	10	8.5	130
60 A	150	16	10	8.5	130
75 A	150	16	10	8.5	130
100 A	150	21	10	8.5	130
125 A	150	32	10	8.5	130
150 A	150	32	10	8.5	130
200 A	150	32	14	8.5	130
250 A	210	52	13	14.5	180
300 A	210	52	13	14.5	180
400 A	210	52	17	14.5	180
500 A	210	52	17	14.5	180
600 A	210	52	22	14.5	180
750 A	210	52	22	14.5	180

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1000 A to 6000 A BUSBAR CONNECTION BLOCK

Voltage drop: 100 mV
Class 0.5 and 1



Dimensions (mm)					
Current	a	b	c	d	e
1000 A	290	100	20	14.5	190
1250 A	290	100	25	14.5	190
1500 A	290	100	25	14.5	190
2000 A	290	100	35	14.5	190
2500 A	290	100	45	14.5	190
3000 A	290	100	45	14.5	190
4000 A	330	150	45	16.5	230
5000 A	330	150	45	16.5	230
6000 A	330	150	45	16.5	230

METERS AND
POWER MONITORS

NETWORK MONITORING
FROM LV TO HV

CURRENT TRANSFORMERS
AND SHUNTS

TRANSDUCEURS

PANEL METERS AND
SYNCHROCOUPLER

AUXILIARY RELAYS

CIVILIAN AND MILITARY
NAVAL APPLICATIONS

SERVICES AND TRAINING

TO ORDER

Reference for 100 mV		
Current	Class 0.5	Class 1
1 A	2901 0301	2901 0101
2 A	2901 0303	2901 0103
2.5 A	2901 0304	2901 0104
3 A	2901 0305	2901 0105
4 A	2901 0306	2901 0106
5 A	2901 0307	2901 0107
6 A	2901 0308	2901 0108
7.5 A	2901 0310	2901 0110
10 A	2901 0312	2901 0112
15 A	2901 0314	2901 0114
20 A	2901 0315	2901 0115
25 A	2901 0316	2901 0116

Reference for 100 mV		
Current	Class 0.2	Class 0.5
30 A	2901 0317	2901 0117
40 A	2901 0318	2901 0118
50 A	2901 0319	2901 0119
60 A	2901 0321	2901 0121
75 A	2901 0323	2901 0123
100 A	2901 0325	2901 0125
125 A	2901 0326	2901 0126
150 A	2901 0328	2901 0128
200 A	2901 0330	2901 0130
250 A	2901 0331	2901 0131
300 A	2901 0333	2901 0133
400 A	2901 0335	2901 0135
500 A	2901 0336	2901 0136
600 A	2901 0338	2901 0138
750 A	2901 0340	2901 0140

Reference for 100 mV		
Current	Class 0.2	Class 0.5
1000 A	2901 0361	2901 0161
1250 A	2901 0362	2901 0162
1500 A	2901 0363	2901 0163
2000 A	2901 0364	2901 0164
2500 A	2901 0365	2901 0165
3000 A	2901 0366	2901 0166
4000 A	2901 0368	2901 0168
5000 A	2901 0369	2901 0169
6000 A	2901 0370	2901 0170

CUSTOMIZED PRODUCT

	Model	Voltage drop	Accuracy class	Current
	SHMI			
Example	SHMI	50 mV	Class 0.5	3000 A