



## SH 30A/60mV

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SH 30A/60mV, Shunt

Code: M71231.

- > Accuracy: 0.5
- > Measurement Range (A): 30A/60mV
- > Input current: 30 A
- > Relation: 30A/60mV

### Description

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- Shunt for the measurement of DC, from 1 A dc to 15 000 A dc, depending on the type
- Accuracy class: 0.5
- All types are supplied with 1.5 m long cables, with a section of 1.5 m<sup>2</sup>
- The standard output voltage is .../60 mV, but there are other types of outputs on demand, see coding table.

### Application

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Used in DC electrical lines to obtain a voltage signal that is proportional to the current through the shunt



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### Specifications

#### Electrical characteristics

Permanent overload	1,2 $I_n$
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#### Environmental characteristics

Working temperature	-25 ... +60 °C
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#### Mechanical characteristics

Envelope	Manganin rods Brass terminals
Weight (kg)	0,13

#### Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	30 A
Allowable overload	During 5 s 10 $I_n$ , yes 10 A $\leq I_n \leq$ 500 A 5 $I_n$ , yes 600 A $\leq I_n \leq$ 2000 A 2 $I_n$ , yes 2500 A $\leq I_n$
Transformation ratio	... / 60 mV

#### Standards

Standards	DIN 43703, IEC 51, VDE 410, BS 89
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#### Measurement accuracy

Accuracy	0.5
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#### SH

Shunts for direct current measurement

CODE	TYPE	Measurement Range (A)
M71211.	SHP 30A/60mV	30A/60mV
M71212.	SHP 40A/60mV	40A/60mV
M71213.	SHP 50A/60mV	50A/60mV
M71214.	SHP 60A/60mV	60A/60mV
M71215.	SHP 75A/60mV	75A/60mV
M71216.	SHP 100A/60mV	100A/60mV
M71217.	SHP 150A/60mV	150A/60mV
M71218.	SHP 200A/60mV	200A/60mV
M71221.	SHB 1A/60mV	1A/60mV
M71222.	SHB 1.5A/60mV	1.5A/60mV
M71223.	SHB 2.5A/60mV	2.5A/60mV



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CODE	TYPE	Measurement Range (A)
M71224.	SHB 4A/60mV	4A/60mV
M71225.	SHB 5A/60mV	5A/60mV
M71226.	SHB 6A/60mV	6A/60mV
M71227.	SHB 10A/60mV	10A/60mV
M71228.	SHB 15A/60mV	15A/60mV
M71229.	SHB 25A/60mV	25A/60mV
M7122A.	SHB 30A/60mV	30A/60mV
M7122B.	SHB 40A/60mV	40A/60mV
M7122C.	SHB 50A/60mV	50A/60mV
M7122D.	SHB 60A/60mV	60A/60mV
M7122E.	SHB 80A/60mV	80A/60mV
M7122F.	SHB 100A/60mV	100A/60mV
M7122N.	SHB 200A/60mV	200A/60mV
M71231.	SH 30A/60mV	30A/60mV
M71232.	SH 40A/60mV	40A/60mV
M71233.	SH 50A/60mV	50A/60mV
M71234.	SH 60A/60mV	60A/60mV
M71235.	SH 80A/60mV	80A/60mV
M71236.	SH 100A/60mV	100A/60mV
M71237.	SH 150A/60mV	150A/60mV
M71238.	SH 200A/60mV	200A/60mV
M71239.	SH 250A/60mV	250A/60mV
M7123A.	SH 300A/60mV	300A/60mV
M7123B.	SH 400A/60mV	400A/60mV
M7123C.	SH 500A/60mV	500A/60mV
M7123D.	SH 600A/60mV	600A/60mV
M7123E.	SH 750A/60mV	750A/60mV
M7123F.	SH 800A/60mV	800A/60mV
M7123G.	SH 1000A/60mV	1000A/60mV
M7123H.	SH 1200A/60mV	1200A/60mV
M7123J.	SH 1500A/60mV	1500A/60mV
M7123K.	SH 2000A/60mV	2000A/60mV
M7123L.	SH 2500A/60mV	2500A/60mV
M7123M.	SH 3000A/60mV	3000A/60mV
M7123N.	SH 4000A/60mV	4000A/60mV
M7123O.	SH 20000A/60mV	20000A/60mV
M7123P.	SH 5000A/60mV	5000A/60mV
M7123Q.	SH 6000A/60mV	6000A/60mV
M7123R.	SH 7500A/60mV	7500A/60mV



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CODE	TYPE	Measurement Range (A)
M7123S.	SH 8000A/60mV	8000A/60mV
M7123T.	SH 10000A/60mV	10000A/60mV
M7123U.	SH 12500A/60mV	12500A/60mV
M7123V.	SH 15000A/60mV	15000A/60mV
M7123Z.	SH 18000A/60mV	18000A/60mV

**SHP:** Faston connection; **SHB:** Insulating base socket(up to 100 A); **SH:** Without base

For other configurations see additional performance table.

All shunts are supplied with 1.5 m long cables with a 1.5 mm<sup>2</sup> cross-section



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Shunts

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## Dimensions

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