



## SHB 1A/60mV

SHB 1A/60mV, Shunts pour la mesure de courant continu

Code: M71221.

- > Précision: 0.5
- > Rang mesure (A): 1A/60mV
- > Courant entrée: 1 A
- > Relación: 1A/60mV

### La description

- Shunt destiné à la mesure du courant continu compris entre 1 Acc et 20 000 Acc (en fonction du modèle)
- Classe de précision 0,5
- Câbles d'une longueur de 1,5 m et d'une section de 1,5 m<sup>2</sup> fournis avec tous les modèles
- Tension de sortie standard de .../60 mV (autres rapports disponibles sur commande)

### Application

Élément destiné aux lignes électriques à courant continu pour obtenir un signal de tension de rapport proportionnel au courant qui traverse le shunt.



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Shunts

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## Spécifications

### Caractéristiques électriques

|                      |        |
|----------------------|--------|
| Surcharge permanente | 1,2 In |
|----------------------|--------|

### Caractéristiques environnementales

|                        |                |
|------------------------|----------------|
| Température de travail | -25 ... +60 °C |
|------------------------|----------------|

### Caractéristiques mécaniques

|            |                                     |
|------------|-------------------------------------|
| Boîtier    | Tiges de manganèse Bornes en laiton |
| Poids (kg) | 0,15                                |

### Circuit de mesure de courant

|                         |                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------|
| Fréquence nominale      | 50 / 60 Hz                                                                                   |
| Courant primaire mesure | 1A                                                                                           |
| Surcharge admissible    | Pendant 5 s 10 In, oui 10 A ≤ In ≤ 500 A 5 In, oui 600 A ≤ In ≤ 2000 A 2 In, oui 2500 A ≤ In |
| Ratio de transformation | ... / 60 mV                                                                                  |

### Règlementation

|                |                                   |
|----------------|-----------------------------------|
| Règlementation | DIN 43703, IEC 51, VDE 410, BS 89 |
|----------------|-----------------------------------|

### Précision de mesure

|           |     |
|-----------|-----|
| Précision | 0.5 |
|-----------|-----|

### SH

Shunts pour la mesure de courant continu

| CODE    | TYPE          | Rang mesure (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       |



# SHB 1A/60mV

## Shunts

Code: M71221.

| CODE    | TYPE           | Rang mesure (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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Shunts

Code: M71221.

| CODE    | TYPE           | Rang mesure (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** : Connexion Faston ; **SHB** : Base isolante (jusqu'à 100 A); **SH** : Sans base

Tous les shunts sont fournis avec des câbles de 1,5 m de longueur et 1,5 mm<sup>2</sup> de section  
Pour d'autres configurations, voir le tableau des performances supplémentaires.

SHB 1A/60mV

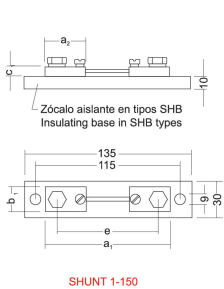


Shunts

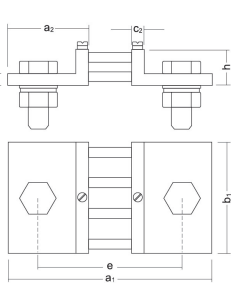
Code: M71221.

Dimensions

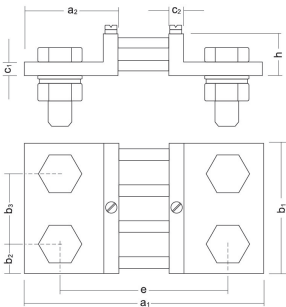
| Voltage drop mV <sub>95</sub> | Range A <sub>95</sub>    | Fig. | a1  | a2 | b1  | b2 | b3 | c1 | c2 | e   | h  | N°<br>Current connections | Current connections      |                |             | Voltage connections                           |
|-------------------------------|--------------------------|------|-----|----|-----|----|----|----|----|-----|----|---------------------------|--------------------------|----------------|-------------|-----------------------------------------------|
|                               |                          |      |     |    |     |    |    |    |    |     |    |                           | Hexagonal screws DIN 933 | Washer DIN 125 | DIN 934 nut |                                               |
| 60                            | 1-1, 5-2, 5-4-6-10-15-25 | 1    | 90  | 28 | 20  | -  | -  | 8  | -  | 78  | -  | 2 x 1                     | M5 x 12                  | 5,3            | -           | 2 Screws M5 x 8 DIN 84 & 2 Washer 5,3 DIN 433 |
|                               | 30-40-60-100-150         |      | 100 | 33 | 20  | -  | -  | 8  | -  | 80  | -  | 2 x 1                     | M8 x 16                  | 8,4            | -           |                                               |
|                               | 250                      | 2    | 145 | 55 | 30  | 15 | -  | 10 | 10 | 105 | 30 | 2 x 1                     | M12 x 40                 | 13             | M12         |                                               |
|                               | 400-600                  |      |     |    | 40  | 20 |    |    |    |     |    | 2 x 1                     | M16 x 45                 | 17             | M16         |                                               |
|                               | 800                      |      | 165 | 65 | 60  | 30 | -  | 10 | 10 | 115 | 30 | 2 x 1                     | M20 x 50                 | 21             | M20         |                                               |
|                               | 1500                     |      |     |    | 90  | 21 |    |    |    |     |    | 2 x 2                     | M16 x 45                 | 17             | M16         |                                               |
|                               | 2500                     |      |     |    | 120 | 30 |    |    |    |     |    | 2 x 2                     | M20 x 50                 | 21             | M20         |                                               |
|                               |                          |      |     |    |     |    |    |    |    |     |    |                           |                          |                |             |                                               |
| 150                           | 1-1, 5-2, 5-4-6-10-15-25 | 1    | 90  | 25 | 20  | -  | -  | 8  | -  | 78  | -  | 2 x 1                     | M5 x 12                  | 5,3            | -           |                                               |
|                               | 40-60-100-150            |      | 225 | 33 | 25  | -  | -  | 8  | -  | 205 | -  | 2 x 1                     | M8 x 16                  | 8,4            | -           |                                               |
|                               | 250                      | 2    | 270 | 55 | 30  | 15 | -  | 10 | 10 | 230 | 50 | 2 x 1                     | M12 x 40                 | 13             | M12         |                                               |
|                               | 400-600                  |      |     |    | 40  | 20 |    |    |    |     |    | 2 x 1                     | M16 x 45                 | 17             | M16         |                                               |
|                               | 800                      |      | 290 | 65 | 70  | 35 | -  | 10 | 10 | 240 | 60 | 2 x 1                     | M20 x 50                 | 21             | M20         |                                               |
|                               |                          |      |     |    |     |    |    |    |    |     |    |                           |                          |                |             |                                               |
|                               |                          |      |     |    |     |    |    |    |    |     |    |                           |                          |                |             |                                               |
|                               |                          |      |     |    |     |    |    |    |    |     |    |                           |                          |                |             |                                               |



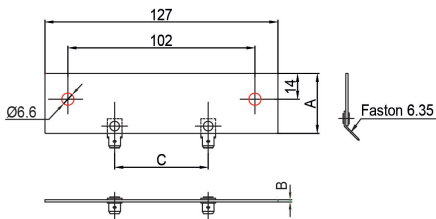
SHUNT 200-1000



SHUNT 1500-2500



SHP xxxA / 60 mV



SHP xxxA / 60 mV

| Units: (A) | A    | B    | C    |
|------------|------|------|------|
| 30         | 35   | 0.7  | 73.5 |
| 40         | 35   | 0.7  | 73.5 |
| 50         | 35   | 0.7  | 73.5 |
| 60         | 35   | 0.7  | 62   |
| 75         | 35   | 1.25 | 48   |
| 100        | 28.5 | 1.25 | 50.5 |
| 150        | 35   | 1.25 | 41.5 |
| 200        | 28.5 | 3    | 64   |