

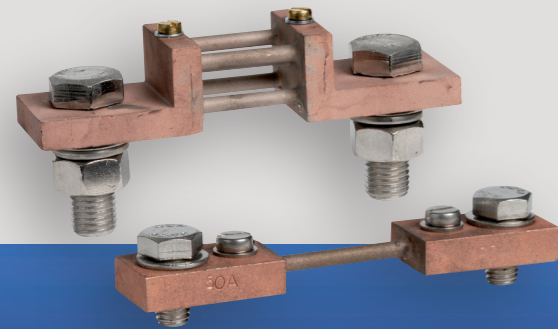
Current shunts

SHUNT

DIMENSIONS (mm)

CONNECTION DIAGRAM

- Shunts for direct current instruments
- Nominal voltage drop: 60 mV



Front view

Figure 1

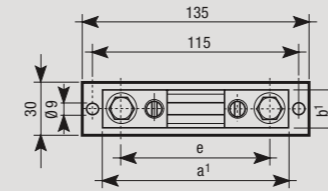
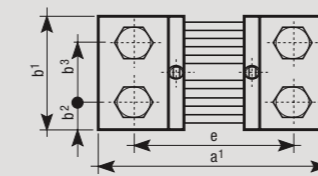
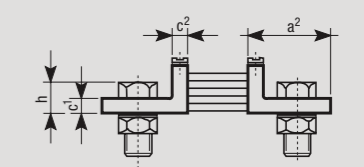
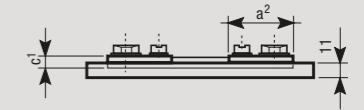


Figure 2



Side view



MEASUREMENT AND CONTROL

TECHNICAL INFORMATION

DIMENSIONS TABLE (mm)

| Code | Capacity A | Nominal voltage drop mV | Figure | a ¹ | a ² | b ¹ | b ² | b ³ | c ¹ | c ² | e | h | no. of screws | Hex. screws DIN 933-5,8 | DIN 125-St. | DIN 934-5 |
|--------|------------------|-------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|----|---------------|----------------------------|----------------|--------------|
| VJ3674 | 4-5-6-10-20-25 | 60 | 1 | 90 | 28 | 20 | - | - | 8 | - | 78 | - | 2x1 | M. 5x12 | 5.3 | - |
| VJ3674 | 50-60-80-100-150 | 60 | 1 | 100 | 33 | 20 | - | - | 8 | - | 80 | - | 2x1 | M. 8x16 | 8.4 | - |
| VJ3682 | 200-250 | 60 | 2 | 145 | 55 | 30 | 15 | - | 10 | 10 | 105 | 30 | 2x1 | M.12x40 | 13 | M.12 |
| VJ3690 | 300-400 | 60 | 2 | 145 | 55 | 40 | 20 | - | 10 | 10 | 105 | 30 | 2x1 | M.16x45 | 17 | M.16 |
| VJ3708 | 500-600 | 60 | 2 | 145 | 55 | 40 | 20 | - | 10 | 10 | 105 | 30 | 2x1 | M.16x45 | 17 | M.16 |
| VJ3724 | 1200-1500 | 60 | 2 | 165 | 65 | 90 | 21 | 48 | 10 | 10 | 115 | 30 | 2x2 | M.16x45 | 17 | M.16 |
| VJ3732 | 2500 | 60 | 2 | 165 | 65 | 120 | 30 | 60 | 10 | 10 | 115 | 30 | 2x2 | M.20x50 | 21 | M.20 |

GENERAL CHARACTERISTICS

| | | | | |
|---------------------------|---------------------------|-------------------|---|-----------|
| Precision | ± 0.5% | Admitted overload | 1.2 I _n permanent 10 I _n t _{max} 5s (10 ÷ 500 A) 5 I _n t _{max} 5s (600 ÷ 2000 A) 2 I _n t _{max} 5s (2500 ÷ 4000 A) | |
| Nominal voltage drop | mV | | | 60 |
| Operating temperature | °C | | | -20 ÷ +60 |
| Insulating terminal plate | for models from 1 to 25 A | | | |

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low Voltage) and 2004/108/EC (E.M.C.)
is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4

| Code | Model | Description | Capacity | Nominal voltage drop |
|------------|-------|--------------|----------|----------------------|
| VJ36741322 | Shunt | Shunt 4 A | 4 A | 60 mV |
| VJ36741422 | Shunt | Shunt 5 A | 5 A | 60 mV |
| VJ36741522 | Shunt | Shunt 6 A | 6 A | 60 mV |
| VJ36742022 | Shunt | Shunt 10 A | 10 A | 60 mV |
| VJ36742222 | Shunt | Shunt 20 A | 20 A | 60 mV |
| VJ36742322 | Shunt | Shunt 25 A | 25 A | 60 mV |
| VJ36742622 | Shunt | Shunt 50 A | 50 A | 60 mV |
| VJ36742722 | Shunt | Shunt 60 A | 60 A | 60 mV |
| VJ36742822 | Shunt | Shunt 80 A | 80 A | 60 mV |
| VJ36742922 | Shunt | Shunt 100 A | 100 A | 60 mV |
| VJ36743122 | Shunt | Shunt 150 A | 150 A | 60 mV |
| VJ36823222 | Shunt | Shunt 200 A | 200 A | 60 mV |
| VJ36823322 | Shunt | Shunt 250 A | 250 A | 60 mV |
| VJ36903422 | Shunt | Shunt 300 A | 300 A | 60 mV |
| VJ36903522 | Shunt | Shunt 400 A | 400 A | 60 mV |
| VJ37083622 | Shunt | Shunt 500 A | 500 A | 60 mV |
| VJ37083722 | Shunt | Shunt 600 A | 600 A | 60 mV |
| VJ37244122 | Shunt | Shunt 1200 A | 1200 A | 60 mV |
| VJ37244222 | Shunt | Shunt 1500 A | 1500 A | 60 mV |
| VJ37324422 | Shunt | Shunt 2500 A | 2500 A | 60 mV |