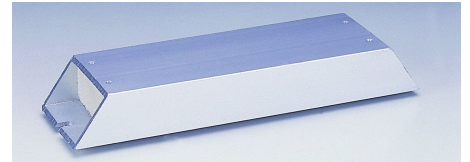
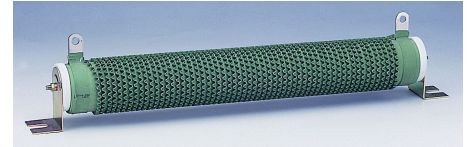
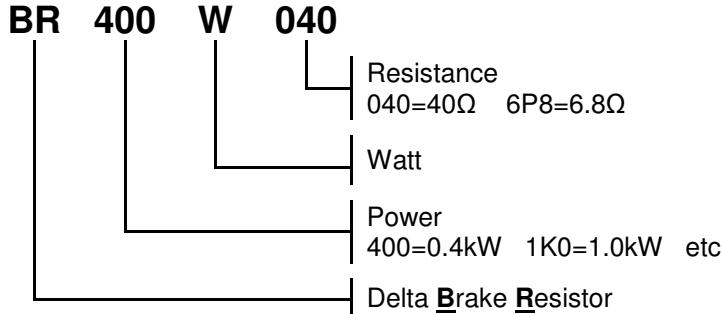


## Type number key



## Overview: Power, Resistance, Dimensions

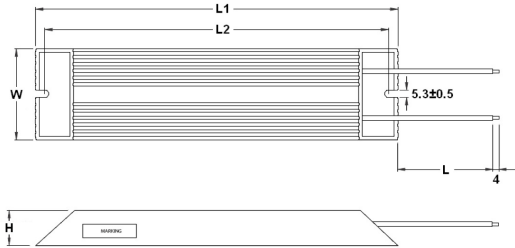
| Resistor type | Power (kW) | Resistance (Ω) | L1 (mm)        | L2 (mm) | H (mm) | D (mm) | W (mm) | Wire length (mm) | Weight (kg) | Drawing |
|---------------|------------|----------------|----------------|---------|--------|--------|--------|------------------|-------------|---------|
| BR080W200     | 0.08       | 200            | 140            | 125     | 20     | 5.3    | 40     | 150              | 0.16        | 2       |
| BR080W750     |            | 750            |                |         |        |        |        |                  |             |         |
| BR200W091     | 0.2        | 91             | 165            | 150     | 30     | 5.3    | 60     | 200              | ?           | 1       |
| BR200W360     |            | 360            |                |         |        |        |        |                  |             |         |
| BR200W150     |            | 150            |                |         |        |        |        |                  |             |         |
| BR200W250     |            | 250            |                |         |        |        |        |                  |             |         |
| BR300W070     | 0.3        | 70             | 215            | 200     | 30     | 5.3    | 60     | 150              | 0.75        | 2       |
| BR300W100     |            | 100            |                |         |        |        |        |                  |             |         |
| BR300W250     |            | 250            |                |         |        |        |        |                  |             |         |
| BR300W400     |            | 400            |                |         |        |        |        |                  |             |         |
| BR400W040     | 0.4        | 40             | 265            | 250     | 30     | 5.3    | 60     | 150              | 0.93        | 2       |
| BR400W150     |            | 150            |                |         |        |        |        |                  |             |         |
| BR500W030     | 0.5        | 30             | 335            | 320     | 30     | 5.3    | 60     | N/A              | 1.1         | 3       |
| BR500W100     |            | 100            |                |         |        |        |        |                  |             |         |
| BR1K0W020     | 1.0        | 20             | 400            | 385     | 50     | 5.3    | 100    | N/A              | 2.8         | 4       |
| BR1K0W075     |            | 075            |                |         |        |        |        |                  |             |         |
| BR1K0W4P3     | 1.0        | 4.3            | See drawing #6 |         |        |        |        |                  | ?           | 6       |
| BR1K0W5P1     |            | 5.1            |                |         |        |        |        |                  |             |         |
| BR1K0W016     |            | 16             |                |         |        |        |        |                  |             |         |
| BR1K0W050     |            | 50             |                |         |        |        |        |                  |             |         |
| BR1K2W3P9     | 1.2        | 3.9            |                |         |        |        |        |                  |             |         |
| BR1K2W6P8     |            | 6.8            |                |         |        |        |        |                  |             |         |
| BR1K2W008     |            | 8              |                |         |        |        |        |                  |             |         |
| BR1K2W015     |            | 15             |                |         |        |        |        |                  |             |         |
| BR1K5W3P3     | 1.5        | 3.3            |                |         |        |        |        |                  |             |         |
| BR1K5W005     |            | 5              |                |         |        |        |        |                  |             |         |
| BR1K5W012     |            | 12             |                |         |        |        |        |                  |             |         |
| BR1K5W013     |            | 13             |                |         |        |        |        |                  |             |         |
| BR1K5W040     |            | 40             |                |         |        |        |        |                  |             |         |
| BR1K5W043     |            | 43             |                |         |        |        |        |                  |             |         |

## Brake resistor type vs. Drive type (Voltage&Power)

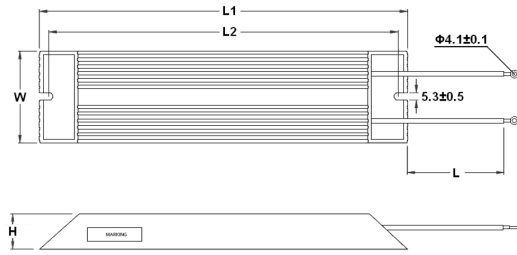
For use in the different drives, either with built-in brake chopper or additional option brake unit, please refer to the related user manuals.

## Dimensional drawings

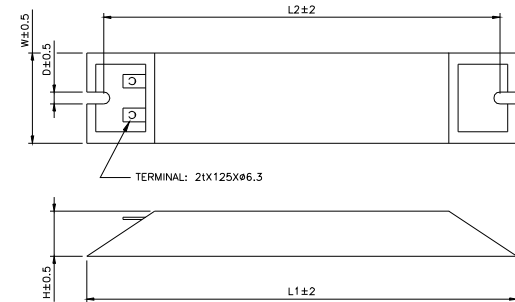
#1



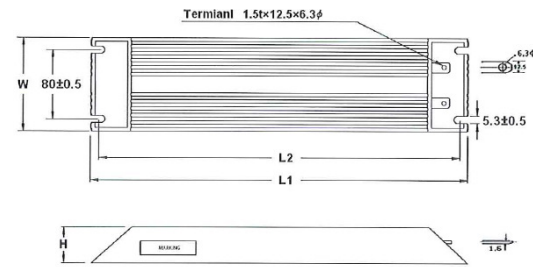
#2



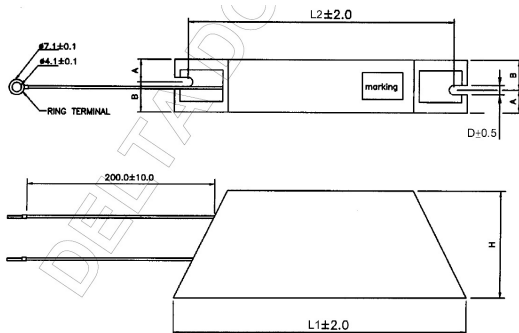
#3



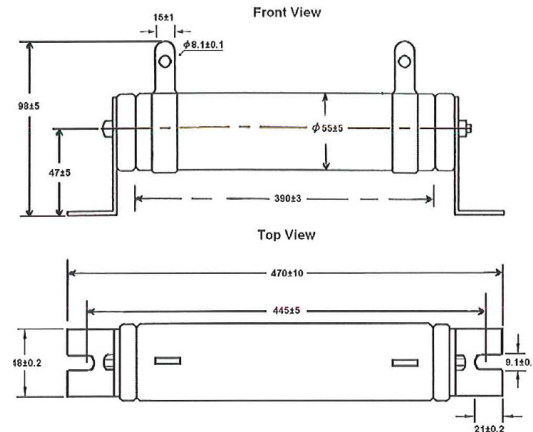
#4



#5



#6



## Specifications

| Test                    | Test conditions   | Specification   |
|-------------------------|---|---|
| Operating temperature   |   | -55 ~ 250 °C<br>>200 °C: use forced cooling with airspeed 3~10m/s<br>-55 ~ 600 °C for resistors acc. drawing #6<br>>350 °C : use forced cooling with airspeed 3~10m/s |
| Tolerance               | at 25 °C  | ±5%   |
| Temperature coefficient |   | ±260ppm/°C  |
| Housing material        |   | Oxidized aluminium<br>Ceramic coating for resistors acc. to drawing #6  |
| Isolation resistance    | between terminals (terminal wire) and housing or mounting bracket | 100MΩ @500VDC 1min  |
| Dielectric strength     | between terminals (terminal wire) and housing or mounting bracket | 1500VAC 1min  |
| Overload                | Cycle 10s on ~ 90s off  | 10x rated power   |
| Lead pull strength      |   | 2.5kg 10s<br>Not applicable when resistor has no leads acc. to drawing  |
| Vibration               | 10~55~10Hz sweep in 1min<br>Amplitude 0.75mm                      | 2hrs per direction  |