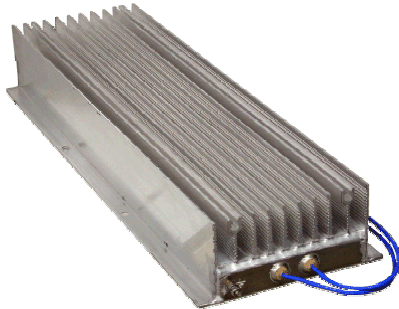


DATA SHEET







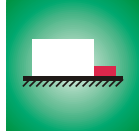


Resistors GmbH

Series:
GWK
Compact Resistor



Applications:

- As braking and chopper resistors
- In variable-speed drives
- In lifts and conveyors
- In the printing and paper industries
- In the packing, plastics and textile industries and in machine construction
- In the wire and wood processing industries

| Types | | GWK 150 | GWK 200 | GWK 300 | GWK 500 |
|---|---|---|--|---|---|
| Pulse Power $T_U=25^\circ\text{C}$  | c.d.f. 5%* | 14,0 kW | 16,0 kW | 20,0 kW | 22,0 kW |
| | c.d.f. 10%* | 7,5 kW | 8,0 kW | 10,0 kW | 13,0 kW |
| | c.d.f. 20%* | 4,0 kW | 4,2 kW | 5,0 kW | 8,0 kW |
| | c.d.f. 40%* | 2,0 kW | 2,1 kW | 2,5 kW | 4,0 kW |
|  | Continuous rating at $T_U=25^\circ\text{C}$ | 1,0 kW | 1,2 kW | 1,5 kW | 2,0 kW |
|  | Pulse power Continuous rating at $T_U=25^\circ\text{C}$ | In case of horizontal installation the above performance is reduced by 20%. | | | |
| Mean energy absorption capacity 5% - 40% c.d.f. | | 90 kW _s | 100 kW _s | 120 kW _s | 190 kW _s |
| Weight | | 2,5 kg | 3,5 kg | 5,0 kg | 8,5 kg |
| Resistance values | | 2,2 - 150 Ω | 4 - 180 Ω | 6 - 180 Ω | 7 - 180 Ω |
| Resistance tolerance | | $\pm 10\%$ | | | |
| Connection | | 2 x 2,5 mm ² | | | |
| Degree of protection (DIN EN 60529) | | IP 65 | | | |
| Housing temperature at nominal rating $T_U=25^\circ\text{C}$ | | $\leq 400^\circ\text{C}$ | | | |
| Cooling | | Natural convection | | | |
| Storage temperature | | -25 ... +85 $^\circ\text{C}$ | | | |
| Insulation resistance | | $\geq 10\text{ M}\Omega$ | | | |
| Test voltage | | = 4,5 kV AC | | | |
| Max. permissible operating voltage | | $\leq 1,0\text{ kV}$ | | | |
| Temperature coefficient of resistance material | | +300 ... +400 $10^{-6}/\text{K}$ | | | |
| Inductance at 100 kHz | | 3 ... 300 μH | | | |
| Approvals | | CE | | | |
| Mounting Positions | |  |  |  |  |

* bezogen auf eine Zyklusdauer von 120 s

Technische Änderungen vorbehalten

www.heine-resistors.com

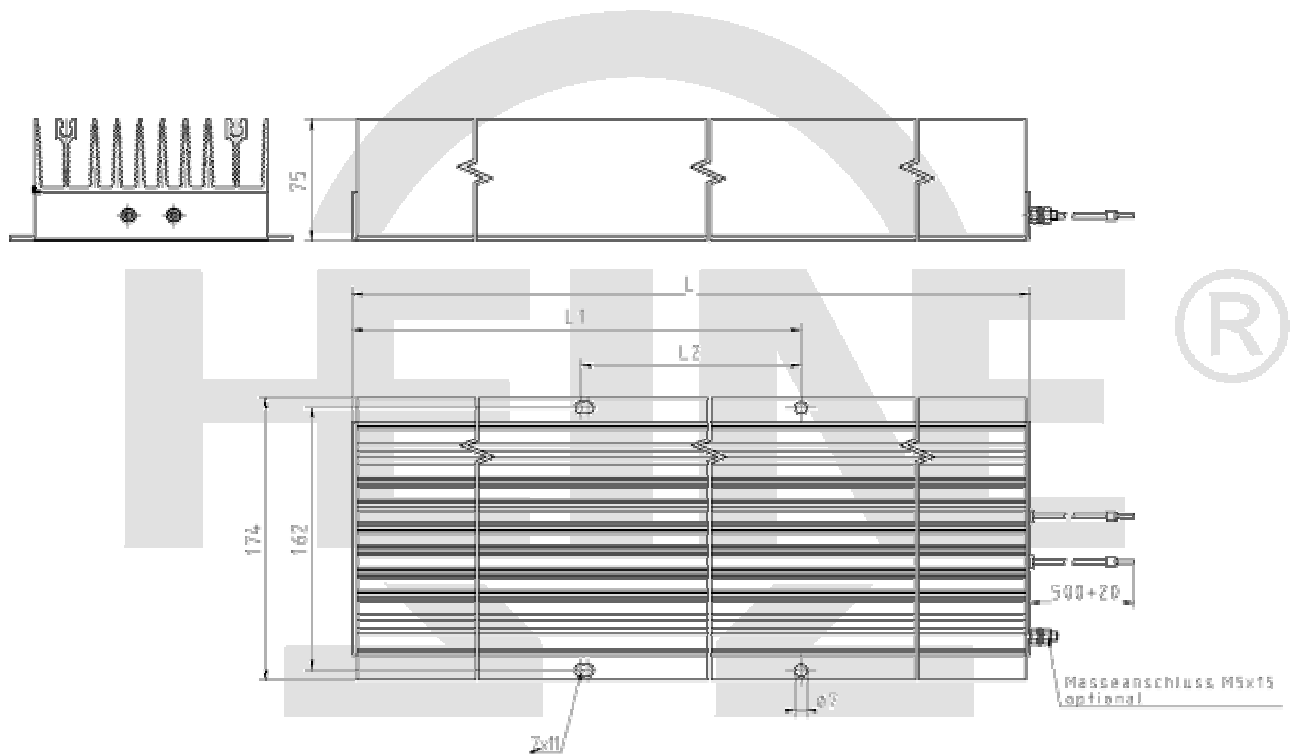


sq\ data sheet gwk_ okk_ geschw_ ip65.doc\ 02\07\2008

Series:
GWK
Compact Resistor

The compact type series uses a high-quality resistance alloy which is embedded in a special ceramic base contained in an extruded sectional aluminium housing. This design ensures a high energy absorption capacity. The very high degree of protection is achieved by the fact that the housing and cover are in close contact with each other.

Drawing:



Resistors GmbH

Subject to technical modifications

Dimensions:

| | | | |
|-----------------|------------------------|---------|---------|
| GWK 150: | 166 x 174 x 75 (LxWxH) | L1: 138 | L2: 110 |
| GWK 200: | 216 x 174 x 75 (LxWxH) | L1: 188 | L2: 160 |
| GWK 300: | 316 x 174 x 75 (LxWxH) | L1: 238 | L2: 160 |
| GWK 500: | 516 x 174 x 75 (LxWxH) | L1: 338 | L2: 160 |