

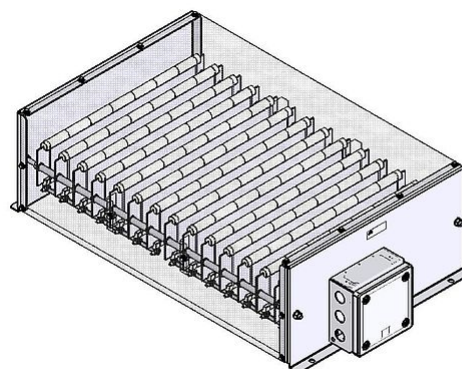


## DATA SHEET

RFC\_18 | 14.0 - 18.0 kW

Wire Resistor

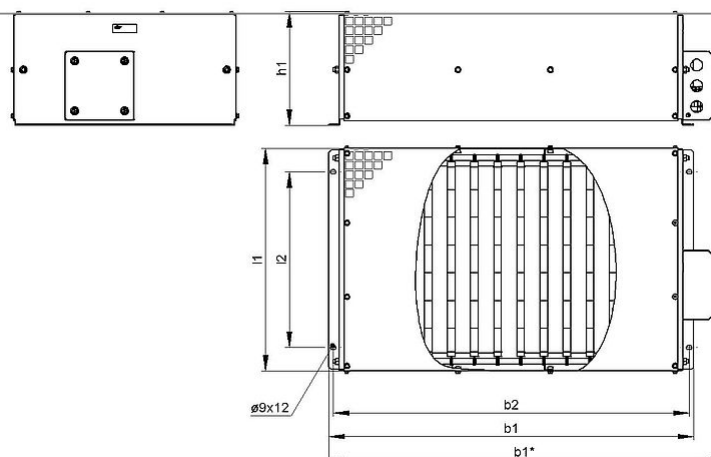
with Terminalbox C



| Article-No.                                                                                                                            |          | ds2003 1182                                                                           |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|----------|----------|
| Type                                                                                                                                   |          | RFC 14-7                                                                              | RFC 16-7 | RFC 18-7 |
| Pulse Power (kW) $T_a \sim 40\text{ °C}$<br>*referred to a<br>cycle duration of 120s<br>Approximate value (depending on<br>resistance) | ED 6 %*  | 112                                                                                   | 128      | 144      |
|                                                                                                                                        | ED 15 %* | 63                                                                                    | 72       | 81       |
|                                                                                                                                        | ED 25 %* | 42                                                                                    | 48       | 54       |
|                                                                                                                                        | ED 40 %* | 29.4                                                                                  | 33.6     | 37.8     |
| Nominal continuous power (kW) $T_a \sim 40\text{ °C}$                                                                                  |          | 14                                                                                    | 16       | 18       |
| Resistance Values at 20°C (Ohm)                                                                                                        |          | 3.5 - 26                                                                              | 4 - 23   | 4.5 - 20 |
| Tolerance of resistance at 20°C                                                                                                        |          | $\pm 10\%$                                                                            |          |          |
| Degree of protection (EN 60529) (in the accordingly screwed on state)                                                                  |          | IP 20                                                                                 |          |          |
| Max. permissible operating voltage                                                                                                     |          | EN 600 V AC / 800 V DC                                                                |          |          |
| Cooling                                                                                                                                |          | natural convection                                                                    |          |          |
| Housing temperature at nominal continuous power $T_a \sim 40\text{ °C}$                                                                |          | ca. 200 °C                                                                            |          |          |
| Electrical terminal                                                                                                                    |          | line up terminal 10 - 35 mm <sup>2</sup>                                              |          |          |
| Operation temperature range                                                                                                            |          | -25 ... +40 °C                                                                        |          |          |
| Testing voltage                                                                                                                        |          | 2.7 kV AC 1 s                                                                         |          |          |
| Mounting positions                                                                                                                     |          |  |          |          |

Subject to technical modifications

# DATA SHEET



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|---------------------|----|-------------|----------|----------|
| Type                |    | RFC 14-7    | RFC 16-7 | RFC 18-7 |
| Length [mm]         | l1 | <490        | <490     | <490     |
|                     | l2 | 380         | 380      | 380      |
| Width [mm]          | b1 | <795        | <895     | <995     |
|                     | b2 | 770         | 870      | 970      |
|                     | b3 | <850        | <950     | <1050    |
| Height [mm]         | h1 | <250        | <250     | <250     |
| Weight approx. [kg] |    | 27          | 30       | 33       |
| Last update         |    | 2015-10-29  |          |          |

## Mounting instruction:

The resistor should be protected by appropriate safety measures against overloading.

Do not mount the resistor with any obstruction in the air inlet or air outlet area.

The resistor has to be grounded.