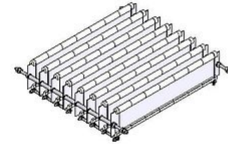



## DATA SHEET

RAFS\_12 | 8 - 12 kW  
Wire Resistor



| Article-No.  |          | ds2003 0120   |               |               |
|--|----------|---|---------------|---------------|
| Type   |          | RAFS 8-100/7  | RAFS 10-100/7 | RAFS 12-100/7 |
| 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 %*  | 64  | 80            | 96            |
|  | ED 15 %* | 36  | 45            | 54            |
|  | ED 25 %* | 24  | 30            | 36            |
|  | ED 40 %* | 16.8  | 21            | 25.2          |
| Nominal continuous power (kW) $T_a \sim 40\text{ °C}$  |          | 8   | 10            | 12            |
| Resistance Values at 20°C (Ohm)  |          | 2 - 45  | 2.5 - 36      | 3 - 30        |
| Tolerance of resistance at 20°C  |          | ±10 %   |               |               |
| Degree of protection (EN 60529) (in the accordingly screwed on state)  |          | IP 00   |               |               |
| Max. permissible operating voltage   |          | EN 1000 V DC  |               |               |
| Cooling  |          | natural convection  |               |               |
| Electrical terminal  |          | M5  |               |               |
| Operation temperature range  |          | -25 ... +40 °C  |               |               |
| Testing voltage  |          | 2.7 kV AC 1 s   |               |               |
| Mounting positions   |          |  |               |               |

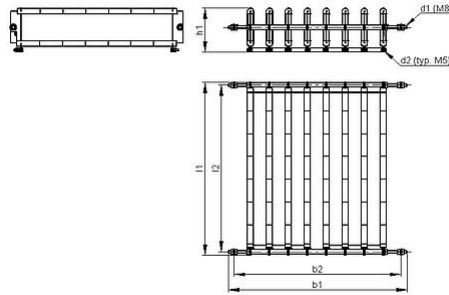
Subject to technical modifications



**Powerful Resistors**



## DATA SHEET



| Article-No.         |    | ds2003 0120  |               |               |
|---------------------|----|--------------|---------------|---------------|
| Type                |    | RAFS 8-100/7 | RAFS 10-100/7 | RAFS 12-100/7 |
| Length [mm]         | l1 | 460          | 460           | 460           |
|                     | l2 | 440          | 440           | 440           |
| Width [mm]          | b1 | 470          | 570           | 670           |
|                     | b2 | 440          | 540           | 640           |
| Height [mm]         | h1 | ~116         | ~116          | ~116          |
| Weight approx. [kg] |    | 12           | 15            | 18            |
| 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.