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**Nominal data**

| Type                     | RLF 100-11/12     |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 8 .. 15 |
| Speed (rpm)              | min <sup>-1</sup> | 5100    |
| Power consumption        | W                 | 8.0     |
| Min. ambient temperature | °C                | -20     |
| Max. ambient temperature | °C                | 75      |
| Air flow                 | m <sup>3</sup> /h | 64      |
| Sound power level        | B                 | 6.4     |

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



# DC centrifugal compact fan

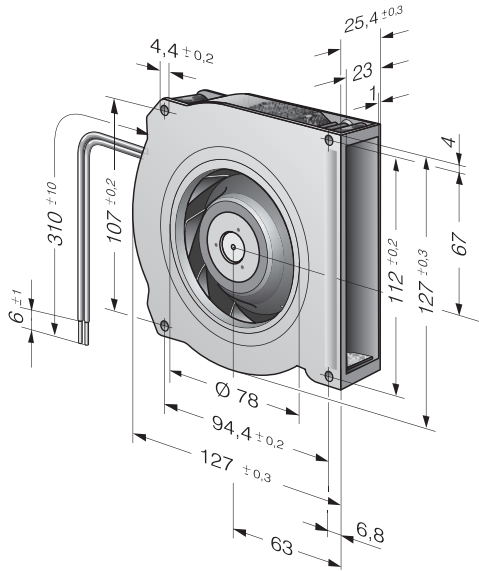
single-intake

## Technical description

|                                                |                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>General description</b>                     | Optional cap for outlet opening<br>Backward-curved impeller                                         |
| <b>Weight</b>                                  | 0.320 kg                                                                                            |
| <b>Dimensions</b>                              | 127 x 127 x 25 mm                                                                                   |
| <b>Impeller material</b>                       | Glass-fiber reinforced plastic                                                                      |
| <b>Housing material</b>                        | Scroll housing made of glass-fiber reinforced plastic, housing base made of galvanized sheet steel. |
| <b>Airflow direction</b>                       | Axial intake, radial discharge from outlet.                                                         |
| <b>Direction of rotation</b>                   | Clockwise, viewed toward rotor                                                                      |
| <b>Storage</b>                                 | Ball bearing                                                                                        |
| <b>Service life L10 at 40 °C</b>               | 80000 h                                                                                             |
| <b>Service life L10 at maximum temperature</b> | 30000 h                                                                                             |
| <b>Cable</b>                                   | With leads AWG 22, TR 64                                                                            |
| <b>Motor protection</b>                        | Protection against reverse polarity and blocked rotor.                                              |
| <b>Locked-rotor protection</b>                 | Electronic locked-rotor and overload protection                                                     |
| <b>Approval</b>                                | VDE, CSA, UL, CE                                                                                    |
| <b>Option</b>                                  | Speed signal                                                                                        |



Product drawing



## Curves: Air performance

