

RER 160-28/12 N

# DC centrifugal compact fan

single-intake



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## Nominal data

| Type                     | RER 160-28/12 N   |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 7 .. 14 |
| Speed (rpm)              | min <sup>-1</sup> | 3000    |
| Power consumption        | W                 | 19.0    |
| Min. ambient temperature | °C                | -20     |
| Max. ambient temperature | °C                | 70      |
| Air flow                 | m <sup>3</sup> /h | 225     |
| Sound power level        | B                 | 6.4     |

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



## Technical description

|  |  |
|--|--|
| <b>General description</b>                     | Backward-curved impeller                               |
| <b>Impeller material</b>                       | Glass-fiber reinforced plastic                         |
| <b>Weight</b>                                  | 0.590 kg   |
| <b>Dimensions</b>                              | Ø 165 x 51 mm  |
| <b>Airflow direction</b>                       | Axial intake, radial discharge                         |
| <b>Direction of rotation</b>                   | Counterclockwise, viewed toward rotor                  |
| <b>Storage</b>                                 | Ball bearing   |
| <b>Service life L10 at 40 °C</b>               | 75000 h  |
| <b>Service life L10 at maximum temperature</b> | 37500 h  |
| <b>Cable</b>                                   | With leads AWG 22, TR 64                               |
| <b>Motor protection</b>                        | Protection against reverse polarity and blocked rotor. |
| <b>Approval</b>                                | VDE, CSA, UL, CE                                       |
| <b>Option</b>                                  | Speed signal   |

Product drawing



110,1 ± 0,4

165,1 ±



## Curves: Air performance

