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**Nominal data**

| Type                     | 414 F             |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 24       |
| Nominal voltage range    | VDC               | 20 .. 28 |
| Speed (rpm)              | min <sup>-1</sup> | 5400     |
| Power consumption        | W                 | 0.8      |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 70       |
| Air flow                 | m <sup>3</sup> /h | 8        |
| Sound power level        | B                 | 4.4      |
| Sound pressure level     | dB(A)             | 22.1     |

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

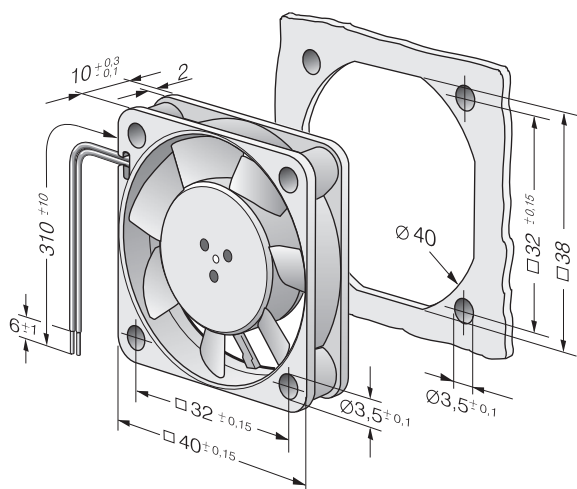


**Technical description**

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| <b>Weight</b>                    | 0.017 kg                                                                            |
| <b>Dimensions</b>                | 40 x 40 x 10 mm                                                                     |
| <b>Impeller material</b>         | Glass-fiber reinforced PA plastic                                                   |
| <b>Housing material</b>          | Glass-fiber reinforced PBT plastic                                                  |
| <b>Airflow direction</b>         | Exhaust over struts                                                                 |
| <b>Direction of rotation</b>     | Counterclockwise, viewed toward rotor                                               |
| <b>Storage</b>                   | Sintec sleeve bearing system                                                        |
| <b>Service life L10 at 20 °C</b> | 45000 h                                                                             |
| <b>Service life L10 at 60 °C</b> | 17500 h                                                                             |
| <b>Cable</b>                     | Leads AWG 28, TR 64, stripped and tin-plated.                                       |
| <b>Motor protection</b>          | Protection against reverse polarity and blocked rotor.                              |
| <b>Approval</b>                  | VDE, CSA, UL                                                                        |
| <b>Option</b>                    | Possible custom designs:<br>Speed signal<br>Go / No-go alarm<br>Moisture protection |



## Product drawing



## Curves: Air performance

