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**Nominal data**

| Type                     | 638 /2HPU         |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 48       |
| Nominal voltage range    | VDC               | 40 .. 60 |
| Speed (rpm)              | min <sup>-1</sup> | 6300     |
| Power consumption        | W                 | 1.8      |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 70       |
| Air flow                 | m <sup>3</sup> /h | 44       |
| Sound power level        | B                 | 5.4      |
| Sound pressure level     | dB(A)             | 35       |

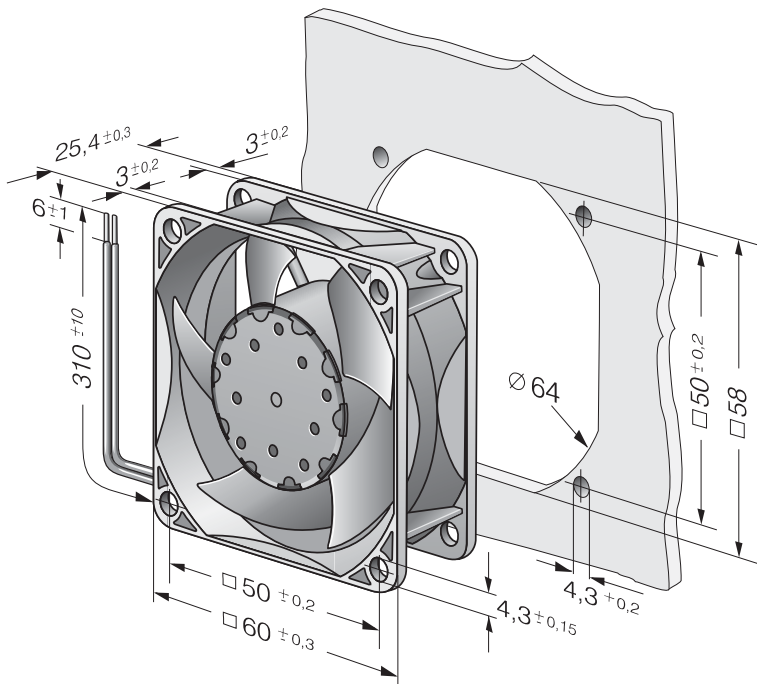
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



## Technical description

|                                                |                                                                                                                                                                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General description</b>                     | Developed for applications with high environmental requirements                                                                                                                                                                                         |
| <b>Housing material</b>                        | Glass-fiber reinforced PBT plastic                                                                                                                                                                                                                      |
| <b>Impeller material</b>                       | Glass-fiber reinforced PA plastic                                                                                                                                                                                                                       |
| <b>Weight</b>                                  | 0.07 kg                                                                                                                                                                                                                                                 |
| <b>Dimensions</b>                              | 60 x 60 x 25 mm                                                                                                                                                                                                                                         |
| <b>Airflow direction</b>                       | Exhaust over struts                                                                                                                                                                                                                                     |
| <b>Direction of rotation</b>                   | Clockwise, viewed toward rotor                                                                                                                                                                                                                          |
| <b>Storage</b>                                 | Ball bearing                                                                                                                                                                                                                                            |
| <b>Service life L10 at 40 °C</b>               | 85000 h                                                                                                                                                                                                                                                 |
| <b>Service life L10 at maximum temperature</b> | 42500 h                                                                                                                                                                                                                                                 |
| <b>Cable</b>                                   | With leads AWG 22, TR 64                                                                                                                                                                                                                                |
| <b>Option</b>                                  | Possible custom designs:<br>Speed signal<br>Go / No-go alarm<br>Alarm with speed limit<br>External temperature sensor<br>PWM control input<br>Analog control input<br>Moisture protection<br>Salt spray protection<br>Degree of protection: IP54 / IP68 |

## Product drawing



## Curves

