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**Nominal data**

|                             |                   |      |      |
|-----------------------------|-------------------|------|------|
| Type                        | M4Q045-CF01-01    |      |      |
| Motor                       | M4Q045-CF         |      |      |
| Phase                       |                   | 1~   | 1~   |
| Nominal voltage             | VAC               | 230  | 230  |
| Frequency                   | Hz                | 50   | 60   |
| Method of obtaining data    |                   | me   | me   |
| Valid for approval/standard |                   | CE   | CE   |
| Speed (rpm)                 | min <sup>-1</sup> | 1300 | 1550 |
| Power consumption           | W                 | 60   | 58   |
| Power output                | W                 | 16   | 16   |
| Current draw                | A                 | 0.42 | 0.36 |
| Min. ambient temperature    | °C                | -30  | -30  |
| Max. ambient temperature    | °C                | 40   | 40   |
| Starting current            | A                 | 0.58 | 0.5  |

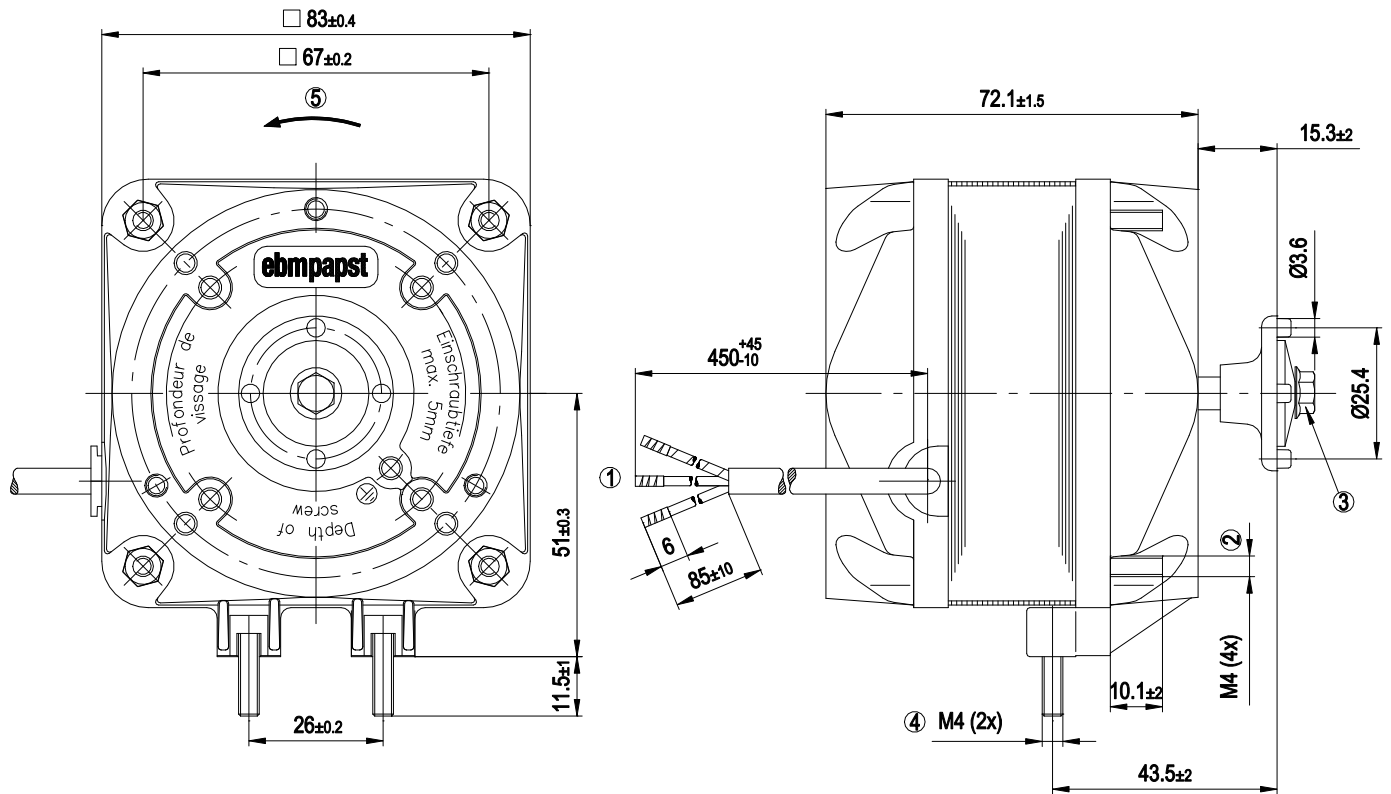
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



## Technical description

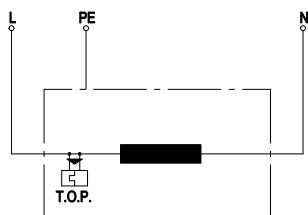
|                                                                            |                                                       |
|----------------------------------------------------------------------------|-------------------------------------------------------|
| Weight                                                                     | 1.3 kg                                                |
| Fan size                                                                   | 45 mm                                                 |
| Bearing shield material                                                    | Die-cast aluminum                                     |
| Direction of rotation                                                      | Counterclockwise, viewed toward rotor                 |
| Degree of protection                                                       | IP42; installation- and position-dependent            |
| Insulation class                                                           | "B"                                                   |
| Max. permitted ambient temp. for motor (transport/storage)                 | + 80 °C                                               |
| Min. permitted ambient temp. for motor (transport/storage)                 | - 40 °C                                               |
| Installation position                                                      | Any                                                   |
| Condensation drainage holes                                                | None                                                  |
| Mode                                                                       | S1                                                    |
| Motor bearing                                                              | Calotte bearing                                       |
| Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system) | < 0.75 mA                                             |
| Motor protection                                                           | Thermal overload protector (TOP) internally connected |
| With cable                                                                 | Lateral                                               |
| Protection class                                                           | I (with customer connection of protective earth)      |
| Conformity with standards                                                  | EN 60335-1; CE                                        |
| Approval                                                                   | EAC; VDE                                              |

## Product drawing



|   |                                                                            |
|---|----------------------------------------------------------------------------|
| 1 | Cable PVC 0.5 mm <sup>2</sup> , 3x crimped splices                         |
| 2 | Tightening torque for nut for fastening fan housing or guard grille 2.3 Nm |
| 3 | Tightening torque for screw for fastening fan impeller 1.4 Nm              |
| 4 | Tightening torque for nut for fastening mounting bracket 2.3 Nm            |
| 5 | Direction of rotation counterclockwise, viewed toward shaft end            |

## Connection diagram



|     |                              |
|-----|------------------------------|
| L   | = blue                       |
| PE  | = green/yellow               |
| N   | = brown                      |
| TOP | = thermal overload protector |

## Curves: Speed (rpm)

