

## 4.3 MSK030C Technical Data

| Description                                            | Symbol      | Unit                | MSK030C-0900-NN |
|--------------------------------------------------------|-------------|---------------------|-----------------|
| continuous torque at standstill, 60 K                  | M0_60       | Nm                  | 0,8             |
| continuous current at standstill, 60 K                 | I0_60(eff)  | A                   | 1,5             |
| continuous torque at standstill, 100 K                 | M0_100      | Nm                  | 0,9             |
| continuous current at standstill, 100 K                | I0_100(eff) | A                   | 1,7             |
| maximum torque                                         |             |                     | 4,0             |
| maximum current                                        | Mmax        | Nm                  | 6,8             |
| torque constant at 20 °C <sup>1)</sup>                 | Imax(eff)   | A                   | 0,58            |
| constant voltage at 20 °C <sup>2)</sup>                | KEMK_1000   | Nm/A                | 35,6            |
| winding resistance at 20 °C                            | R12         | V/min <sup>-1</sup> | 9,80            |
| winding inductivity                                    | L12         | Ohm                 | 14,100          |
| leakage capacitance of the component                   | Cab         | mH                  | 1,3             |
| number of pole pairs                                   | p           | nF                  | 3               |
| moment of inertia of rotor without brake <sup>3)</sup> | Jrot        | -                   | 0,00003         |
| thermal time constant                                  | Tth         | kg*m <sup>2</sup>   | 15,0            |
| maximum speed                                          | nmax        | min                 | 9000            |
| sound pressure level                                   | LP          | min <sup>-1</sup>   | <75             |
| Mass <sup>4)</sup>                                     | m           | dB[A]               | 1,9 (2,1)       |
| ambient temperature during operation                   | Tum         | kg                  | 0 ... 40        |
| degree of protection                                   |             | °C                  | IP65            |
| insulation class EN 60034-1                            |             | -                   | F               |
|                                                        |             | -                   |                 |

1) 2)

3)

4)

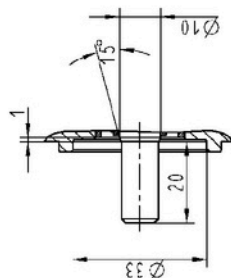
Manufacturing tolerance ±5%

Specified without brake. If necessary, add the moment of inertia brake.

(...) values for motors with holding brake, sorted (holding brake 1, holding brake 2 ...)

Fig.4-8: Technische Daten

| Description        | Symbol | Unit | Holding brake 1 |
|--------------------|--------|------|-----------------|
| holding torque     | M4     | Nm   | 1,0             |
| rated voltage ±10% | UN     | V    | 24              |
| rated current      | IN     | A    | 0,40            |
| connection time    | t1     | ms   | 3               |



2.5

Ø 9 k6

Ø 40 h6

Ø 16

20

DIN 332 DS M3

6.5

41.5

57.4

1

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2.1

16

2.5

3 M9

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