## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS SIMOTICS GP - 132 S - IM B5 - 4p Motor type : 1AV1130B Offer no. Client order no. Item-No. Order no. Consignment no. Project Remarks **Electrical data** Safe Area $M_A/M_N$ П Δ/Υ f Р Р ī М η 3) cosφ 3) $I_A/I_N$ $M_K/M_N$ IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] $I_I/I_N$ $T_I/T_N$ 4/4 3/4 2/4 4/4 3/4 2/4 $T_B/T_N$ 2.3 400 50 5.50 -/-11.40 1450 36.0 84.7 85.3 84.2 0.82 0.76 0.64 5.7 2.7 IE1 Δ Υ 690 5.50 6.60 1450 36.0 84.7 85.3 84.2 0.82 0.76 0.64 5.7 2.3 2.7 IE1 Δ 6.30 -/-60 10.80 1745 34.5 87.0 87.4 86.2 0.79 0.68 6.7 2.2 IE1 460 0.84 2.8 IM B5 / IM 3001 FS 132 S 38 kg IP55 IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1,000 m Locked rotor time (hot / cold): 11 s | 20.7 s Mechanical data No 64.0 / 76.0 dB(A) <sup>2)</sup> 68.0 / 80.0 dB(A) <sup>2)</sup> Sound level (SPL / SWL) at 50Hz|60Hz External earthing terminal Moment of inertia 0.0190 kg m<sup>2</sup> Vibration severity grade 155(F) to 130(B) Bearing DE | NDE 6208 2Z C3 6208 2Z C3 Insulation bearing lifetime Duty type S1 $L_{10mh}\,F_{Rad\,min}$ for coupling operation $50|60Hz^{\,1)}$ 40000 h 32000 h Direction of rotation bidirectional aluminum Lubricants Unirex N3 Frame material No Regreasing device Coating (paint finish) Standard paint finish C2 Grease nipple Color, paint shade RAL7030 Type of bearing Preloaded bearing DE Motor protection (B) 3 PTC thermistors - for tripping (2 terminals) -/-Condensate drainage holes Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position 6.0 mm<sup>2</sup> top Max. cross-sectional area Cable diameter from ... to ... Material of terminal box 11.0 mm - 21.0 mm Aluminium Type of terminal box TB1 H00 Cable entry 2xM32x1,5-1xM16x1,5 Contact screw thread Cable gland M4 3 plugs Notes: 1) L10mh according to DIN ISO 281 10/2010 I<sub>A</sub>/I<sub>N</sub> = locked rotor current / current nominal 3) Value is valid only for DOL operation with motor design IC411 $M_A/M_N = locked rotor torque / torque nominal$ $M_K/M_N$ = break down torque / nominal torque Technical data are subject to change! There may be discrepancies responsible dep. technical reference created by approved by between calculated and rating plate values. DI MC LVM DT Configurator document status document type customer datasheet released document number

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