## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS SIMOTICS SD - 250 M - IM B3 - 2p Motor type : 1CV1252A Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/cosφ <sup>3)</sup> U Δ/Υ f Р Р ī М η 3) $I_A/I_N$ M<sub>A</sub>/M<sub>N</sub> $M_K/M_N$ IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 2/4 4/4 2/4 $I_I/I_N$ $T_I/T_N$ $T_B/T_N$ 3/4 **DOL duty (S1)** - 155(F) to 130(B) 400 Δ 50 55.00 98.00 2970 177.0 92.1 92.1 91.2 0.88 0.86 0.79 6.7 2.1 3.0 IE1 690 55.00 -/-57.00 177.0 0.86 0.79 3.0 50 2970 92.1 92.1 91.2 0.88 6.7 2.1 IE1 Δ 460 60 62.00 -/-95.00 92.4 92.2 91.0 0.89 0.87 2.0 2.9 IE1 3570 166.0 0.81 6.7 IM B3 / IM 1001 FS 250 M IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 16.8 s | 30.9 s Mechanical data 76 / 90 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 81 / 94 dB(A) 2) 3) Vibration severity grade Α 0.4000 kg m<sup>2</sup> Thermal class Moment of inertia F Bearing DE | NDE **S**1 6215 Z C3 6215 Z C3 Duty type bearing lifetime Direction of rotation bidirectional $L_{10mh}\,F_{Rad\,\,min}$ for coupling operation $50|60Hz^{\,1)}$ 40000 h 32000 h Frame material cast iron Regreasing device Without Net weight of the motor (IM B3) 360 kg Grease nipple Coating (paint finish) Standard paint finish C2 Locating bearing NDE Color, paint shade RAL7030 Type of bearing Condensate drainage holes With (standard) Motor protection (A) without (Standard) External earthing terminal With (standard) Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position top Max. cross-sectional area 120 mm<sup>2</sup> Material of terminal box cast iron Cable diameter from ... to ... 34 mm - 42 mm Type of terminal box TB1 N01 2xM63x1,5 Cable entry M10 Cable gland Contact screw thread 2 plugs 1) L<sub>10mh</sub> according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 I<sub>A</sub>/I<sub>N</sub> = locked rotor current / current nominal 2) at rated power / at full load M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / torque nominal M<sub>K</sub>/M<sub>N</sub> = break down torque / nominal torque Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of

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