Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS Motor type : 1CV3252A SIMOTICS SD - 250 M - IM B3 - 2p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/-Δ/Υ cosφ ³⁾ U f Р Р ī М η 3) I_A/I_N M_A/M_N M_K/M_N IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 4/4 2/4 I_I/I_N T_I/T_N T_B/T_N 2/4 3/4 **DOL duty (S1)** - 155(F) to 130(B) 400 Δ 50 55.00 95.00 2975 177.0 94.3 94.5 93.9 0.89 0.87 0.80 6.7 2.3 3.1 IE3 690 50 55.00 -/-55.00 2975 177.0 94.3 0.87 0.80 94.5 93.9 0.89 6.7 2.3 3.1 IE3 Δ 460 60 62.00 -/-92.00 93.6 93.6 92.7 0.90 0.88 0.82 2.3 IE3 3575 166.0 6.7 3.0 Δ -/-3578 92.3 IE3 460 60 55.00 83.00 147.0 93.6 93.4 0.89 0.87 0.79 7.3 2.5 3.3 IM B3 / IM 1001 UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN FS 250 M Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 34.1 s | 54.3 s Mechanical data Sound level (SPL / SWL) at 50Hz|60Hz 73 / 87 dB(A) 2) 3) 76 / 90 dB(A) 2) 3) External earthing terminal With (standard) Moment of inertia 0.4600 kg m² Vibration severity grade Bearing DE | NDE 6215 C3 6215 C3 Thermal class F bearing lifetime Duty type S1 $L_{10mh}\,F_{Rad\,\,min}$ for coupling operation $50|60Hz^{\,1)}$ 40000 h 32000 h Direction of rotation bidirectional 20 g | 20 g 4000 h Relubrication interval/quantity DE | NDE Frame material cast iron Unirex N3 Net weight of the motor (IM B3) 385 kg Lubricants Regreasing device With regreasing nipple Coating (paint finish) Standard paint finish C2 Grease nipple M10x1 DIN 71412 A Color, paint shade RAL7030 Type of bearing Locating bearing NDE Motor protection (B) 3 PTC thermistors - for tripping (2 terminals) Condensate drainage holes With (standard) Method of cooling IC411 - self ventilated, surface cooled Terminal box

Terminal box position	top Max. cross-sectional are		120 mm ²
Material of terminal box	cast iron	Cable diameter from to	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 plugs

I_A/I_N = locked rotor current / current nominal M_A/M_N = locked rotor torque / torque nominal $M_K/M_N = break down torque / nominal torque$ 1) L_{10mh} according to DIN ISO 281 10/2010

2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

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Special design									
L19 Regreasing device wi	ith regreasing nipple M1	0X1 acc.to DIN 71	412-A						
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