Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS Motor type : 1CV3162A SIMOTICS SD - 160 M - IM B3 - 2p Offer no. Client order no. Item-No. Order no. Consignment no. Project Remarks **Electrical data** Safe Area U Δ/Υ f Р Р 1 М η 3) $cos\phi^{3)}$ I_A/I_N M_A/M_N M_K/M_N IE-CL n [V] [Hz] [kW] [A] [1/min] [Nm] T_B/T_N [hp] 4/4 3/4 2/4 4/4 3/4 I_I/I_N T_I/T_N 214 IM B3 / IM 1001 FS 160 M 100 kg IP55 IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions : $-20 \,^{\circ}\text{C} - +40 \,^{\circ}\text{C}$ / 1,000 m Locked rotor time (hot / cold): 23.3 s | 31.7 s Mechanical data Yes 70.0 / 82.0 dB(A) ²⁾ 77.0 / 89.0 dB(A) ²⁾ Sound level (SPL / SWL) at 50Hz|60Hz External earthing terminal Moment of inertia 0.0530 kg m² Vibration severity grade Α 155(F) to 130(B) Bearing DE | NDE 6309 2Z C3 6309 2Z C3 Insulation bearing lifetime Duty type **S**1 $L_{10mh}\,F_{Rad\,min}$ for coupling operation $50|60Hz^{\,1)}$ 40000 h 32000 h Direction of rotation bidirectional cast iron Lubricants Unirex N3 Frame material No Regreasing device Coating (paint finish) Standard paint finish C2 Grease nipple RAL7030 Color, paint shade Type of bearing Locating bearing NDE Motor protection (A) without (Standard) Yes (standard) Condensate drainage holes Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position right Max. cross-sectional area 16.0 mm² Cable diameter from ... to ... Material of terminal box cast iron 19.0 mm - 28.0 mm Type of terminal box TB1 J01 2xM40x1,5-1xM16x1,5 Cable entry Contact screw thread М5 Cable gland 3 plugs Notes: 1) L10mh according to DIN ISO 281 10/2010 I_A/I_N = 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 type document status customer datasheet released document number 1LE1503-1DA29-0AA5-Z H02+H04+L25+M1Y+Q02 creation date rev. language Page © Siemens AG 2021 2021-04-23 16:17

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Motor type	: 1CV3162A		SIMOTICS SD	- 160 M - I	М ВЗ - 2р				
Special desi	ign								
	ibration-proof version	on		M1Y	Non-standard v	vinding:			
H04 E	external grounding a	t housing		Q02	Anti-condensat	ion heatin	g for 230 V (2 terminals	s)	
L25 [ouble sides reinforc	ed bearings for DE and ND	E, Type 63						
	information:								
Space heate									
Technical dat	ta:	1-phase, 230 V 50\	V						
Notes:									
responsible dep		technical reference	created by	approv	ed by		hnical data are subject to char		be discrepancie
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