Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS Motor type : 1CV1222B SIMOTICS SD - 225 M - IM B5 - 4p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/η 3) Δ/Υ U f Р Р ī М cosφ 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 45.00 82.00 1475 290.0 91.7 92.1 91.7 0.86 0.83 0.74 7.2 2.6 3.2 IE1 690 45.00 -/-47.50 1475 0.83 0.74 50 290.0 91.7 92.1 91.7 0.86 7.2 2.6 3.2 IE1 Δ 60 52.00 -/-280.0 93.0 93.4 92.9 IE1 460 81.00 1770 0.87 0.84 0.77 7.2 2.6 3.2 IM B5 / IM 3001 FS 225 M IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 8.7 s | 23.2 s Mechanical data Sound level (SPL / SWL) at 50Hz|60Hz 71 / 82 dB(A) 2) 3) 74 / 86 dB(A) 2) 3) В Vibration severity grade Moment of inertia 0.4500 kg m² Thermal class F Bearing DE | NDE **S**1 6213 Z C3 6213 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) 290 kg Coating (paint finish) Standard paint finish C2 Grease nipple Locating bearing NDE Color, paint shade RAL7030 Type of bearing (H) 3 resistance thermometers PT100 (6 Condensate drainage holes With (standard) Motor protection terminals) IC416 - separately ventilated, surface cooled External earthing terminal With (standard) Method of cooling Terminal box Terminal box position top Max. cross-sectional area $35 \ mm^2$ Material of terminal box cast iron Cable diameter from ... to ... 27 mm - 35 mm Type of terminal box TB1 L01 2xM50x1,5-2xM20x1,5 Cable entry Contact screw thread М8 Cable gland 4 plugs 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 IA/IN = locked rotor current / current nominal M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load M_K/M_N = 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

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 damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents		
	Document type				Document status			
SIEMENS	Technical data sheet				Released			
	Document title				Document number			
	1LE1502-2BB23-4FH4-Z				TDS-240716-113909		Elle/Addressings:	
Restricted	D22+D47+F70+G06+L00				Revision	Creation date	Language	Page
© Innomotics 2024					AA	2024-07-16	en	1/2

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor t	ype :1CV1222B		SIMOTICS S	D - 225 M - II	И В5 - 4р				and the same
pecial	design								
22	Motor without CE ch	aracter for export outsic 1)	le the EEA (see EU	G06	Mounting a re	otary pulse (encoder HOG 10 D 102	41	
47			Eurasian Customs Union	L00	Vibration seve	erity level B			
70	Mounting of separate								
	3 1	,							
T		allan adiata a afabita da arrana a		d			dia a constituit de la		
i ransmitt	tal, reproduction, dissemination ar		well as utilization of its contents and All rights created by patent grant or i				ition are pronibited. Offenders w	/III be neid liable	e for payment
			_						
	le department	Technical reference	Created by	Approved by	discrep		ject to change! There may be calculated and rating plate	Link docum	<u>ients</u>
LVM			SPC	Created auto	matically values.	screpancies between calculated and rating plate alues.		具数	
CIE		Document type		· ·		Document status			
	EMENS	Technical data she	et			Released			
	LIVIEIV3	Document title					Document number		
		1LE1502-2BB23-4I				TDS-240	716-113909	四60	PARTS
stricted		D22+D47+F70+G06+L00)			Revision	Creation date	Language	Page
lnnon	notice 2024	i				I	2024 07 16	Lan	2/2

2024-07-16

© Innomotics 2024