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



Control Cont				-	ase Squi	rrel-Cag													
Selectrical data	Motor type : 1CV3205B Client order no.					It	SIMOTICS SD - 200 L - IM B3 - 4p					Offe	Offer no.						
Selectrical data												-							
Note	Order no.					C	onsignment r	10.				Proje	Project						
Math													e Area						
No	Electrical data											-/-							
Note		Δ/Υ				[]			4/4	1	2/4	4/4						IE-CI	
Main A 50 8,00 6,4 55,00 1470 195,0 93,6 94,0 93,7 0,84 0,80 0,71 7,3 2,6 3,1	[V]		[HZ]	[KVV]	[np]	[A]			1			4/4	3/4	2/4	I _I /I _N	I _I /I _N	I _B /I _N		
690	400	Λ	50	30.00	-/-	55.00		_	1			0.84	0.80	0.71	7.3	2.6	3.1	IE3	
Mag				1					+			1			1		3.1	IE3	
Environmental conditions: 20°C - 140°C / 1000 m	460	Δ	60	34.50	-/-	55.00	1770		93.0	93.3	92.9	0.85	0.81	0.73	7.3	2.4	3.0	IE2	
Environmental conditions : -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold) : 29.4 s 45 s	460	Δ	60	30.00	-/-	48.00	1778	161.0	94.1	94.2	93.6	0.83	0.79	0.70	8.8	2.6	3.5	IE3	
Sound level (SPL / SWL) at 50Hz/60Hz 65 / 72 dB(A) ^{2/30} 67 / 74 dB(A) ^{2/30} Vibration severity grade A Bearing DE NDE 6312 C3 6312 C3 Thermal class F Bearing DE NDE 6312 C3 6312 C3 Thermal class F Bearing DE NDE 75 The severity grade A A Duty type S1 Loing F ₃₀₀ to recoupling operation 40000 h 32000 h Direction of rotation bidirectional bidirectional Stockholm (NDE 10000 h NDE	IM B3 / IN								IEC/EN	60034		IEC, DIN, IS	SO, VDE, E	EN .					
Sound level (SPL / SWL) at 50Hz/60Hz 65 / 72 dB(A) 2:3 67 / 74 dB(A) 2:3 External earthing terminal With (standard) Moment of inertia 0.2400 kg m² Vibration severity grade A Bearing DE NDE 6312 C3 6312 C3 Thermal class F Duty yer 5.5 Louse Figure, for coupling operation 50/60Hz 10			Enviror	nmental co	onditions :	-20 °C - +4	40 °C / 10	00 m			Lo	ocked ro	tor time	e (hot / co	old) : 29	.4 s 45	S		
Moment of inertia 0.2400 kg m³ Vibration severity grade A Bearing DE NDE 6312 C3 6312 C3 Thermal class F bearing iffetime	Mecha	nical d	ata																
Bearing DE NDE 6312 C3 6312 C3 Thermal class F Dearing Iffetime	Sound I	level (SF	PL / SWL)) at 50Hz 60)Hz 65 /	72 dB(A) ²³	3) 67 /	74 dB(A) ^{2) 3)}	Exte	rnal earth	ning term	ninal			With	n (standa	rd)		
bearing lifetime Lines Faque, for Coupling operation 40000 h 32000 h 80000 h	Momen	nt of ine	rtia			0.					le								
Libble Footbeet rotor current rument nominal 1) Libble Footbeet rotor current rument nominal 2] at rised power at a full libble of or design patient are received. Libble Footbeet rotor current rument nominal 1) Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or design patient are received. Libble Footbeet rotor current rument nominal 1) Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or design patient are received. Libble Footbeet rotor current rument nominal 1) Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble of libble or poy design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or libble or poy design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or libble or poy design patient are received. Libble Footbeet rotor current rument nominal 2] at rised power at a full libble or libration and under retiining at libration of a utility model or design patient are received. Libble Footbeet rotor current rumper rumpe	Bearing	J DE NE	DE			6312 C3	, ,					F							
Redubrication interval/quantity DE 20 g 20 g 8000 h NDE 80000 h NDE 80000 h NDE 80000 h NDE 80000 h NDE 800000 h NDE 8000000 h NDE 80000000 h NDE 80000000 h NDE 800000000 h NDE 8000000000 h NDE 800000000000000000000000000000000000	bearing	g lifetin	ne				Duty type								S1				
Redubrication interval/quantity DE 20 g 20 g 8000 h NDE 80000 h NDE 80000 h NDE 80000 h NDE 80000 h NDE 800000 h NDE 8000000 h NDE 80000000 h NDE 80000000 h NDE 800000000 h NDE 8000000000 h NDE 800000000000000000000000000000000000	L _{10mh} F _R 50160H	Rad min for Iz ¹⁾	r couplin	ng operation	1	40000 h	32000 h Direction of rotation					bidirectional							
Lubricants Unifer N3 Met weight of the motor (IM 83) 240 kg Regreasing device With (standard) Coating (paint finish) Special paint finish C3 Grease ripple M10x1 DIN 3404 A Color, paint shade RA1/7030 Type of bearing Locating bearing NDE Motor protection (B) 3 PTC thermistors - for tripping (start terminals) Condensate drainage holes With (standard) Method of cooling IC411 - self ventilated, surface Terminal box Terminal box position top Max. cross-sectional area 25 mm² Material of terminal box cast iron Cable diameter from to 27 mm - 35 mm Type of terminal box Till L01 Cable entry 2xM50x1,5-2xM20x1,5 Contact screw thread M6 Cable gland 4 plugs UIL, bocked rotor current Lourset nominal MAM, bocked rotor current current nominal WAM, bocked rotor current current nominal 22 strated power / art full load MAM, bocked rotor current current nominal WAM,	Relubrio	cation ir	nterval/q	quantity DE		2	20 g 20 g 8000 h Frame material			al	cast iron								
Grease nipple M10x1 DIN 3404 A Color, paint shade RAL7030 Type of bearing Locating bearing NDE Motor protection (B) 3 PTC thermistors - for tripping (star terminal) Condensate drainage holes With (standard) Method of cooling IC411 - self-ventilated, surface Committed Color							Unirex N3 Net weight of the motor				or (IM B3	(IM B3) 240 kg							
Type of bearing Locating bearing NDE Motor protection (B) 3 PTC thermistors - for tripping (star terminals) (Condensate drainage holes With (standard) Method of cooling (C411 - self ventilated, surface of the standard) Method of cooling (C411 - self ventilated, surface of the standard of the surface of the standard of the surface of t	Regreas	sing dev	vice			With	th (standard) Coating (paint finish)					Special paint finish C3							
Condensate drainage holes With (standard) Method of cooling IC411 - self ventilated, surface Terminal box Terminal box position Max. cross-sectional area 25 mm² Material of terminal box Type of terminal termina						M10:	0x1 DIN 3404 A Color, paint shade												
Terminal box position top Max. cross-sectional area 25 mm? Material of terminal box cast iron Cable diameter from to 27 mm - 35 mm Type of terminal box TB1 L01 Cable entry 2xM50x1,5-2xM20x1,5- Contact screw thread M6 Cable gland 4 plugs LiA, - locked roter current? current nominal 2) Lian, according to DN 150 281 102010 3) Value is valid only for DOL operation with motor design IC411 MAM, - locked roter torque frome nominal MAM, - break down torque information through romanical torque romanical diam, - break down to proper information through romanical torque romanical and representation of the contract swell as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for pay 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 Created automatically Created automatically SPC Created automatically Document status Released Document type Technical data sheet Document title Document number TDS-240408-131614	Type of bearing Loca					Locati	iting bearing NDE Motor protection				(B) 3 PTC thermistors - for tripping (standard) (2 terminals)								
Material of terminal box cast iron Cable diameter from to 27 mm² Material of terminal box TB1 L01 Cable entry 2xM50x1,5-2xM20x1,5 Contact screw thread M6 Cable entry 2xM50x1,5-2xM20x1,5 Contact screw thread M6 Cable gland 4 plugs	Condensate drainage holes					Wit	Vith (standard) Method of cooling					IC411 - self ventilated, surface cooled							
Material of terminal box TBI L01 Cable entry 2xM50x1,5-2xM20x1,5 Contact screw thread M6 Cable gland 4 plugs Luliu- locked rotor current / current nominal MMM,— locked rotor torque / torque nominal MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load MMM,— locked rotor current / Lurrent nominal 2) at rated power / at full load 3) Value is valid only for DOL operation with motor design IC411 3) Value is valid only for DOL operation with motor design IC411 Approved by Technical data are subject to change! There may be discrepancies between colculated and rating plate values. Document status Released Document tumber Technical data sheet Document number Technical data sheet Document tumber TDS-240408-1	Termin	al box																	
Type of terminal box TB1 L01 Cable entry 2xM50x1,5-2xM20x1,5 Contact screw thread M6 Cable gland 4 plugs	Termin	al box p	osition				top Max. cross-sectional area				rea	25 mm ²							
Contact screw thread M6 Cable gland 4 plugs Julia Locked rotor current / current nominal Locked rotor current / current nominal Locked rotor torque / roman and prediction of a utility model or design IC411 M/Ma Locked rotor torque / rominal Locked rotor torque / rominal rotor torque / ro	Material of terminal box					cast iron Cable diameter from to					to	o 27 mm - 35 mm							
I_I/II_a = locked rotor current / current nominal M_MM_a = locked rotor torque / current nominal M_MM_b = locked rotor torque / torque nominal A_MM_b = locked rotor torque / torque nominal A_MM_b = 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 pays 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 Created by SPC Approved by Created automatically Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document status Released Document title 1LE1603-2AB53-4AB4-Z TDS-240408-131614	Type of terminal box					TB1 L01 Cable entry						2xM50x1,5-2xM20x1,5							
M _N /M _N = locked rotor torque / torque nominal M _N /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 payridamages. All rights created by patent grant or registration of a utility model or design patent are reserved. Responsible department IN LVM Technical reference SPC Created by SPC Created automatically Created automatically Document type Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document type Technical data sheet Document title 1LE1603-2AB53-4AB4-Z TDS-240408-131614	Contact screw thread					M6 Cable gland									4 plugs				
M _N /M _N = locked rotor torque / torque nominal M _N /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 payridamages. All rights created by patent grant or registration of a utility model or design patent are reserved. Responsible department IN LVM Technical reference SPC Created by SPC Created automatically Created automatically Document type Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document type Technical data sheet Document title 1LE1603-2AB53-4AB4-Z TDS-240408-131614																			
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 payridamages. All rights created by patent grant or registration of a utility model or design patent are reserved. Technical reference								10/2010			3) V	alue is valid	only for DC	DL operation wi	ith motor de	sign IC411			
Document type Technical data sheet Document title 1LE1603-2AB53-4AB4-Z DATAGOL	Transmittal	, reproduct	tion, dissem	nination and/or	-				nmunication t	hereof to oth	ers without	express autho	rization are	prohibited. Of	ffenders will	be held liabl	e for payme	nt of	
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Motor type : 1CV3205B SIMOTICS SD - 200 L - IM B3 - 4p												
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