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



			type:1CV	J	101013		CIM	MOTICS S	:D 100	1 11/4 [05 6n							
		lient orde		31040		SIMOTICS SD - 100 L - IM B5 - 6						Offer no. / Offer no.						
Order no. / Order no.						Consignment no. / Consignment no.						Project / Project						
												_						
Remarks	Kemarks	i									Saf	e Area						
Electri	cal dat	a / Elec	trical data								-/-							
U	Δ/Υ	f	Р	Р	ı	n	М		η 3)			cosφ	3)	I _A /I _N	M _A /M _N	M _K /M _N	₁ IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N		
							(S1) / DOL	1			1			1			1	
230	Δ Υ	50	1.50	- -	6.30	970	14.8	82.5	83.1	81.5	0.73	0.65		5.2	1.9	2.8	IE3	
400	ı	50	1.50	-/-	3.60	970	14.8	82.5	83.1	81.5	0.73	0.65	0.52	5.2	1.9	2.8	IE3	
IM B5 / I	M 3001		FS 100 L			IP55	UKCA	IEC/EN	60034		IEC, DIN, I	SO VDE E	FN					
Environmental conditions / Environmental condition						, , , , , , , , , , , , , , , , , , , ,						(hot / cold) / Locked rotor time (hot / cold) : 26.6 s 34.7 s						
			echanical		Conditions	. 20 C 1	10 67 10		LOCKE	110101		. / colu)	7	or time (m	otr coluy .	20.03	3 1.7 3	
Sound	level (SI	PL / SWL)	at 50Hz 60H	Hz 59 /	71 dB(A) ²	2) 3) 62 /	/ 74 dB(A) ^{2) 3)}	Vibr	ation sev	erity gra	le				A			
Moment of inertia						.0110 kg m		The	Vibration severity grade Thermal class				A F					
Bearing DE NDE 6306 27 C							306 2Z C3	Duty	Thermal class Duty type Duty type				F S1					
Bearing DE NDE bearing lifetime bearing lifetime								Dire	type ction of re tion of rote			bidirectional bidirectional						
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾							32000 h	Fran	ne materi ne material	al		cast iron cast iron						
$L_{10mh} F_{Rad min} $ for coupling operation 50 60Hz 40000 h					40000 h		Net	Net weight of the motor (IM B3) Net weight of the motor (IM B3)										
Regreasing device Regreasing device						Without Without	Coat	Coating (paint finish) Coating (paint finish)				Special paint finish C3 Special paint finish C3						
Grease nipple Grease nipple						-/-	Colo	Color, paint shade Color, paint shade				RAL7030						
Type of bearing Prel						aded bearin		Motor protection				(B) 3 PTC thermistors - for tripping (standard) (2 terminals)						
					Wi	th (standard		Motor protection				(B) 3 PTC thermistors - for tripping (standard) (2 terminals)						
External earthing terminal External earthing terminal						Without Without		Method of cooling Method of cooling				IC411 - self ventilated, surface cooled IC411 - self ventilated, surface cooled						
Termir	nal box	/ Term	inal box															
Terminal box position Terminal box position				top					Max. cross-sectional area Max. cross-sectional area				4 mm²					
Material of terminal box Material of terminal box			х	top cast iron cast iron					Cable diameter from to				11 mm - 21 mm					
Type of terminal box Type of terminal box				TB1 F01					Cable entry Cable entry				2xM32x1,5-1xM16x1,5					
Contact screw thread Contact screw thread				M4					Cable gland Cable gland				3 plugs 3 plugs					
$M_A/M_N = lo$ $M_K/M_N = bi$	cked rotor i reak down t	orque / nom	que nominal ninal torque	2)	at rated power								OL operation w			1- f		
			ination and/or edi tent grant or regis				ts contents and cor eserved.	mmunication t	nereor to oth	ers Without	express autho	orization are	e prombited. O	nenders will	i pe neid liab	ie ior payme	ent of	
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