

				se Squi	rrel-Cag		ors SIMOT			_							•
Motor		1CV42	56B		1+-	em-No.	IMOTICS SE) - 250 M	I - IM B3	- 4p	Offe	r no			2-45		
Client order no.																	
Order no.					C	onsignment	no.				Proje	ect					
Remarks											Saf	e Area	n .				
Electrical data											-/-						_
U	ΔΙΥ	f [U=1	P	P	[[]	n [1/min]	M	4/4	η ³⁾	2/4	4/4	cosφ		I _A /I _N		M_K/M_N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm] OL duty (S1)	4/4	3/4	2/4 (B)	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
400	Δ	50	75.00	-/-	133.00	1488	480.0	96.0	96.3	96.1	0.85	0.81	0.72	8.7	2.8	3.2	IE4
690	Υ	50	75.00	-/-	77.00	1488	480.0	96.0	96.3	96.1	0.85	0.81		8.7	2.8	3.2	IE4
460	Δ	60	75.00	-/-	116.00	1790	400.0	96.2	96.2	95.8	0.84	0.80	0.70	9.8	3.2	3.6	IE4
460	Δ	60	84.00	-/-	127.00	1788	450.0	96.2	96.4	96.1	0.86	0.82	0.74	8.9	2.8	3.1	IE4
IM B3 / II	M1001		FS 250 M			IP55	UKCA	IEC/EN	60034		IEC, DIN, IS	SO, VDE,	EN				
		Enviror	nmental cor	nditions :	-20 °C - +4	10 °C / 10	000 m	Locked rotor time (hot / co				e (hot / col	old) : 32.5 s 70.3 s				
Mecha	nical d	ata															
Sound	level (SF	L / SWL)	at 50Hz 60H	lz 65 /	79 dB(A) ²⁾	3) 66	/ 80 dB(A) ^{2) 3)}	Exte	rnal earth	ing term	ninal			(Sta	andard) Ye	es	
Momer	nt of ine	rtia			1.7	7200 kg m	2	Vibr	ation seve	erity grad	le				Grade A		
Bearing	DE NI	DE			6214 ZC3						F						
permiss (N)	sible late	eral force	e on (N)	3	x _o : 850	x _{0,5} : 3500	x _{max} : 3200	C _{max} : Duty type				S 1					
	g lifetin					Direction of rotation						bidirectional					
L _{10mh} F _{Rad min} for coupling operation 40000 h 50 60Hz ¹⁾				40000 h	32000 h Frame material					cast iron							
Lubrica	ints				U	UNIREX N3 Net weight of the motor				or	583 kg						
Regreasing device					-/- Coating (paint finish)					Special paint finish C3							
Grease nipple								•	paint shade					RAL7030			
					sting bearing NDE Motor protection Standard) Yes Method of cooling					3 PTC thermistors - for tripping (2 terminals) IC411 - self ventilated, surface cooled							
			oles		(Sta	andard) Ye	?S	Met	hod of co	oling			IC411	- self ver	ntilated, su	irtace co	ooled
Termin	ial box																
•					oox at the top Max. cross-sectional are					120 mm²							
Material of terminal box					cast iron Cable diameter from t					to	2xM63x1,5 - 2xM20x1,5						
Type of terminal box Contact screw thread					TB4N01 Cable entry 6xM10 Cable gland								2xM63x1	1,5 - 2xM2 -/-	0x1,5		
I _A /I _N = lock		•	nt nominal que nominal ninal torque		L _{10mh} according at rated power <i>l</i>		10/2010			3) \	alue is valid	only for D	OL operation wi	ith motor de	esign IC411		
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor typ	e:1CV4256B		SIMOTICS SE	SIMOTICS SD - 250 M - IM B3 - 4p					
Special de	esign								
M11	Stainless steel rating p	olate		S02 S	Special paint f	inish C3			
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Responsible d	lepartment	Technical reference	Created by SPC	Approved by	discrepa		ect to change! There may be calculated and rating plate	Link docume	ents -
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