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

Motor	type :	1AV31	12B			S	IMOTICS GP	P - 112 N	1 - IM B3	- 4p					-		
Client order no. Item-No.										Offe	r no.						
Order no. Co						Consignment no.					Proje	ct					
Remarks																	
Electric	al dat	а									Saf -/-	e Area	3				
U D/Y f P P I				I	n Μ η ³⁾					cosφ ³) Ι _Α /Ι _Ν Μ _Α /Μ _Ν Μ _Κ /Μ _Ν ΙΕ-							
[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	
						DC	DL duty (S1)) - 155(I	F) to 130	(B)	1						1
230	Δ	50	4.00	-/-	13.80	1460	26.0	88.6	89.2	88.6	0.82	0.76	0.65	7.1	2.4	3.7	IE3
400	Y	50	4.00	-/-	7.90	1460	26.0	88.6	89.2	88.6	0.82	0.76	0.65	7.1	2.4	3.7	IE3
460	Y	60	4.55	-/-	7.70	1760	24.5	89.5	90.0	89.3	0.83	0.78	0.67	7.3	2.5	3.8	IE3
460	Y	60	4.00	-/-	6.90	1770	21.5	89.5	90.0	88.3	0.81	0.72	0.60	8.2	2.9	4.3	IE3
IM B3 / IN	И 1001		FS 112 N	л		IP55	UKCA	IEC/EN	N 60034		IEC, DIN, IS	O, VDE,	EN				
		Enviror	nmental co	onditions :	-20 °C - +	40 °C / 10	000 m			Lo	cked roto	or time	e (hot / col	d) : 16.	1 s 21.8	8 s	
Mecha	nical d	ata															
Sound	level (SF	PL / SWL)	at 50Hz 60	Hz 58/	70 dB(A) ²	^{2) 3)} 62 /	74 dB(A) ²⁾³⁾	Vibr	ration seve	erity grad	le				А		
	nt of ine		at bonizioo			.0170 kg m²			rmal class			F					
	I DE NI			F	5206 2Z C3	-	206 2Z C3		y type			51					
-				0	200 22 03	0	200 22 05			otation		bidirectional					
bearing lifetime L _{10mh} F _{Rad min} for coupling operation 50[60Hz ¹⁾ 40000 h						Direction of rotation									luminum		
	z ¹⁾ sing dev									tor (IM D2)							
-	-	nce				Without Net weight of the motor (Standard paint finish C2						
Grease nipple						-/- Coating (paint finish)									lish C2		
					Preloa	oaded bearing DE Color, paint shade						D DT C .!		RAL7030	(2)		
Condensate drainage holes						Without Motor protection					(B)	3 PTC therm			-		
Externa	il earthi	ng termi	nal			Without		Met	hod of co	oling			IC411	- self vei	ntilated, s	urface co	oled
Termin	al box																
Terminal box position					top Max. cross-sectional area				rea	4 mm ²							
Material of terminal box					/	Aluminium Cable diameter from to				to	11 mm - 21 mm						
Type of terminal box						TB1 F00 Cable entry						2xM32x1,5-1xM16x1,5					
Contact screw thread						M4 Cable gland									3 plugs		
$M_A/M_N = loc$ $M_K/M_N = bre$	ked rotor t ak down t	orque / non	que nominal ninal torque	2)	at rated power		10/2010 s contents and corr	nmunication	thereof to oth				OL operation wi			e for payme	nt of
				istration of a utili											_	. ,	
Responsible department Technical reference				rence	SPC Created automatically discrepan				crepancies be	l data are subject to change! There may be ncies between calculated and rating plate				Link documents			
Document type Technical data she Document title)e	et						Document status Released					纘
																	対
											Docu	Document number					
1LE1003-1BB22-2				I BB22-2A	AB4-Z				TDS	TDS-240408-131945				(45) A	\$2\$		
Restricted D47+F01+F10+F50)+F50						Revis	on	Creation date		Languag	je Page	;
© Innomotics 2024											AA	:	2024-04-0	8	en	1/2	

100

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS													
Motor type : 1AV3112B SIMOTICS GP - 112 M - IM B3 - 4p													
Special design													
		certificate EAC for the Eur	asian Customs Union	F10	Brake suppl	ly voltage 24 V	DC						
F01 M	Mounting of holding b	orake		F50	Mechanical	cal manual brake release with lever (cannot be locked)							
Additional information:													
Brake:													
Description: Voltage:		BFK458-14 DC 24 V		Current:	of inertia:		2.1 A 0.000630 kgm²						
volage.													
		editing of this document as well as gistration of a utility model or desig		mmunication thereof 1	o others without e	express authorization	are prohibited. Offenders will	be held liable for	payment of				
Responsible dep	partment	Technical reference	Created by	discre		ect to change! There may be calculated and rating plate	Link documents						
IN LVM			SPC	Created autom	atically value	es.							
		Document type				Document s Released	tatus						
SIE	MENS	Technical data sheet			Document n	umber							
		1LE1003-1BB22-2AB	4-Z				408-131945						
Restricted		D47+F01+F10+F50			Revision	Creation date	Language	Page					
© Innomoti	cs 2024					AA	2024-04-08	en	2/2				