

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



Motor type : 1AV2063B

SIMOTICS GP - 63 M - IM B5 - 4p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	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	
DOL duty (S1) - 155(F) to 130(B)																	
440	Δ	60	0.18	-/-	0.59	1710	1.0	68.0	64.4	57.3	0.59	0.50	0.40	3.9	3.3	3.4	IE2
IM B5 / IM 3001		FS 63 M		IP55		UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 36.3 s 47.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	/ dB(A) ^{2) 3)}	/ dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0004 kg m ²		Thermal class	F
Bearing DE NDE	6201 2Z C3	6201 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
$L_{10mh, F_{Rad, min}}$ for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	1.5 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 B10	Cable entry	1xM25x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque
 1) L10mh according to DIN ISO 281 10/2010
 2) at rated power / at full load
 3) Value is valid only for DOL operation with motor design IC411

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
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Special design

F01	Mounting a brake	M2D	440 VD for 60 Hz, 50-Hz power
F10	Brake supply voltage 24 V DC		

Additional information:

Brake:

Description:	BFK458-06	Current:	.83 A
Voltage:	DC 24 V	Moment of inertia:	0.000013 kgm ²

Notes:

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