

SIMOTICS SD - 250 M - IM B5 - 4p

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

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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_A/I_N	T_I/T_N	T_B/T_N	

DOL duty (S1) - 155(F) to 130(B)

IM B5 / IM 3001	FS 250 M	IP55	UKCA	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 34.9 s | 55 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	66 / 79 dB(A) ^{2) 3)}	68 / 82 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.8500 kg m²		Thermal class	F
Bearing DE NDE	6215 Z C3	6215 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L10mh F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	420 kg
Grease nipple	-/-		Coating (paint finish)	Special paint finish C3
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Bearing insulation DE / Bearing insulation NDE	Yes (non-drive end)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC416 - separately ventilated, surface cooled
External earthing terminal	With (standard)			

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1503-2CB29-0FB4-Z						
	B02+F70+H07+L51+M1Y+Q02+S02			rev.	creation date	language	Page
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B02	Acceptance test certificate 3.1 acc. to EN 10204	M1Y	Non-standard winding:
F70	Mounting of separately driven fan	Q02	Anti-condensation heating for 230 V (2 terminals)
H07	Stainless steel screws and bolts (outside the motor)	S02	Special paint finish C3
L51	Bearing insulation NDE		

Space heaters

Technical data: 1-phase, 230 V 92W

Notes:

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