

SIMOTICS SD - 250 M - IM B3 - 6p

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

Remarks

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			cos φ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
IM B3 / IM 1001			FS 250 M	370 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -40 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 21.4 s 33.7 s								

Sound level (SPL / SWL) at 50Hz 60Hz	62.0 / 77.0 dB(A) ²⁾	66.0 / 79.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.8600 kg m²		Vibration severity grade	A
Bearing DE NDE	NU 215	6215 Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	AERO SHELL GREASE 22		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(C) 6 PTC thermistors - for alarm and tripping (4 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	left	Max. cross-sectional area	120.0 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34.0 mm - 42.0 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. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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B02	Acceptance test certificate 3.1 acc. to EN 10204	L22	Bearing design for increased cantilever forces
D03	Minimum ambient temperature -40°C	L51	Bearing insulation NDE
F74	Sheet steel fan cowl	M1Y	Non-standard winding:
F76	Metal external fan	R62	Cast iron auxiliary terminal box (small)
H07	Stainless steel screws and bolts (outside the motor)	S03	Special paint finish in sea air resistant C4

Notes:

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