



Data sheet for SIMOTICS XP 1MT0003 Low-Voltage Flameproof Motor

1MT0003系列低压隔爆电动机数据表

MLFB-Ordering data: 1MT0003-2AA53-3AA4

Flameproof grade: Ex db IIB T4 Gb

Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			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 _A /T _N	T _B /T _N	
380	D	50	37	- / -	67	2955	120	93.7	93.9	- / -	0.89	- / -	- / -	7.8	2.4	3.4	IE3
660	Y	50	37	- / -	39	2955	120	93.7	93.9	- / -	0.89	- / -	- / -	7.8	2.4	3.4	IE3
IM B3			FS 200L		319kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data / 机械性能数据				Terminal box / 接线盒			
Sound pressure level 50Hz/60Hz 声压等级 50Hz/60Hz (负载)	71 dB(A)	- / -		Terminal box position 接线盒位置	top 顶部		
Moment of inertia 转动惯量	0.183 kgm ²			Material of terminal box 接线盒材料	cast iron 铸铁		
Bearing DE NDE 轴承 DE NDE	6312 C3	6312 C3		Type of terminal box 接线盒型号	- / -		
Bearing lifetime 轴承寿命	- / -			Hoop gland diameter 接线斗直径 (mm)	1xΦ72		
Lubricants 润滑脂	- / -			Cable diameter 外接电缆直径 (mm)	19 ~ 20/25 ~ 26 /31 ~ 32/37 ~ 38/41 ~ 42		
Regreasing device 再润滑装置	No			Max. auxiliary terminals 最大辅助端子数	- / -		
Grease nipple 油杯	- / -			Auxiliary cable entry 辅助进线孔	- / -		
Type of bearing 轴承类型	floating bearing DE 驱动端轴承浮动			Main terminal thread 接线端子螺纹	6xM8		
Condensate drainage holes 排水孔	No			Cable gland 葛兰	- / -		
External earthing terminal 外部接地	Yes			Special design / 特殊设计			
Vibration class 振动等级	A						
Insulation 绝缘等级	155(F)						
Duty type 工作方式	S1						
Direction of rotation 旋转方向	bidirectional 双向						
Frame material 机座材料	cast iron 铸铁						
Data of anti condensation heating 防潮加热	-/-						
Coating 喷漆	Yes						
Color 颜色	RAL7011						
Motor protection 电机保护	- / -						
Method of cooling 冷却方式	IC411 - self ventilated, surface cooled IC411 - 自扇冷						

Environmental conditions

Ambient temperature 环境温度	-20 °C ~ +40 °C
Altitude above sea level 海拔高度	1000 m

Unrestricted

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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