



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: 1MT0003-2AC53-3AA4

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	22	- / -	45.5	980	214	92.2	93.1	- / -	0.80	- / -	- / -	7	2.4	3	IE3
660	Y	50	22	- / -	26	980	214	92.2	93.1	- / -	0.80	- / -	- / -	7	2.4	3	IE3
IM B3			FS 200L		297kg	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)	59 dB(A)	- / -	Terminal box position 接线盒位置	top 顶部
Moment of inertia 转动惯量	0.357 kgm²		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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